PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES

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I hereby declare that the thesis entitled **"PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES"** submitted towards partial fulfillment of the requirements for the award of MS in Ophthalmology degree to BFUHS is a compilation of original work carried out by me under the supervision of **Dr. Sumeet Chopra**, Professor & Head, Department of Ophthalmology, **Dr. Priyanka Arora**, Associate Professor, Department of Ophthalmology and **Dr. Kamaldeep Arora,** Associate Professor, Department of Paediatrics. No part of this thesis has formed the basis for the award of any degree previously.

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Dedicated

to

my family

&

Teachers

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LIST OF ABBREVIATIONS

APROP	-	Aggressive Posterior Retinopathy of Prematurity
FEVR	-	Familial Exudative Vitreoretinopathy
FVD	-	Forceps Vaginal Delivery
LSCS	-	Lower Segment Caesarean Section
NVD	-	Normal Vaginal Delivery
RBSK	-	Rashtriya Bal Swasthya Karyakram
ROP	-	Retinopathy of Prematurity
SVD	-	Spontaneous Vaginal Delivery
VEGF	-	Vascular Endothelial Growth Factor

ABSTRACT

Introduction: Universal newborn eye screening provides an opportunity to identify and manage the ocular pathologies like congenital abnormalities of globe, congenital cataract, congenital glaucoma, retinal haemorrhages etc, timely management of which is imperative to prevent visual loss. Universal eye screening of infants is not standard of care even in developed countries. So, we plan this study to determine the prevalence of ocular pathologies and risk factors associated with them**.**

Aim of Study: To determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life**.**

Materials & methods: All neonates born in Dayanand Medical College and Hospital, Ludhiana, Punjab were undergone Universal newborn eye screening. The examination included external eye examination, red reflex test and dilated fundus examination. The positive findings were documented using Ret cam shuttle. Gestational age, birth weight, maternal age and mode of delivery was documented. The screening was performed in a neonatal intensive care unit and Ophthalmology out-patient department. Pupillary dilatation was done using a commercially available combination of tropicamide and phenylephrine half strength administered 3 times at an interval of 10 minutes**.**

Results: 501 neonates were enrolled. Out of 501 neonates, 184 were females and 317 were males. The mean birth weight in our study was 1967.87. Study showed the prevalence of ocular abnormalities in neonates and their associated risk factors. The most common was retinopathy of prematurity (134/501; 26.7%), followed by congenital nasolacrimal duct obstruction (21/501; 4.2%), retinal haemorrhages (14/501; 2.8%), bacterial conjunctivitis (9/501; 1.8%), macular haemorrhages (3/501; 0.6%), subconjunctival haemorrhage (2/501; 0.4%), corneal opacity, unequal pupil, familial exudative vitreoretinopathy, vitreous haemorrhage, vascular occlusion, ptosis and epicanthal fold (1/501; 0.2%)

Conclusion- Universal eye screening is not only important for preterm but also for full term neonates as many vision threatening abnormalities can be missed in full term infants. Examination in early neonatal period can prevent visual impairment**.**

Keywords: Universal newborn eye screening, Ocular pathologies.

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INTRODUCTION

Universal eye screening in neonates can help the health care workers to detect ocular diseases early in the course of life. Early detection of ocular diseases can prevent blindness and other ocular complications. Many ocular diseases presenting in early neonatal period can result to permanent blindness in children if the intervention is delayed. With the introduction of wide field digital imaging system, eye screening in the neonates has become practically feasible.[1]

Visual impairment in neonates results in socioeconomic burden for the child's parents as well as the society. Good vision helps in better social, motor and cognitive development.[2]

Some ocular pathologies progress very quickly and need to be managed early to prevent blindness in newborn. As per estimates there are 320,000 blind children in India, thus early screening has become necessity.[3] Screening within the first month of birth has become mandatory as more than half of the childhood blindness can be avoided if detected early and treated in time. Universal eye screening in newborns including Retinopathy of prematurity screening focuses on identification of all treatable conditions of ocular system.

Childhood blindness varies from region to region and socioeconomic development.[4] Ocular pathologies are more common in developing as compared to developed countries. Universal screening of neonates is not standard of care even in developed countries.[5] Ocular screening is restricted in many centers and reasons are poor access to health care, reduced awareness and poverty.[6] Premature birth, extremely and very low birth weight, increase duration of stay in neonatal intensive care unit or special newborn care unit, positive culture or sepsis screen and low Apgar score account for more than one third of ocular abnormalities.

In India, eye screening of all newborns has not yet become a part of healthcare system.[7] Therefore, mass education of parents and health

care workers is mandatory. Screening within one month of birth helps the parents to bring their child in contact with healthcare delivery system.

Rashtriya Bal Swasthya Karyakram under National Health Mission helps in screening, early detection and free management of children from birth to 18 years of age.[8] Defects at birth, Deficiencies, Disease specific to childhood and Development delays including disabilities are the 4 D's can cause blindness and ultimately death of children. RBSK program promises the universal eye screening of all neonates.

There are two target groups under universal eye screening in neonates. One group is neonates born at all delivery points other than neonatal intensive care units and special newborn care units for universal eye screening and another group is preterm newborns for ROP including neonatal intensive care unit or special newborn care unit admissions for universal eye screening plus ROP.

Newborns under high risk for vision impairment are:

1) Those with family history of congenital glaucoma or congenital cataract or retinoblastoma in childhood, retinal dystrophies or degenerations or systemic disease with eye problems. Congenital cataract and retinoblastoma can be detected using red reflex test.
2) Those with family history of strabismus, amblyopia and sensorineural hearing loss.
3) When any opacity of the ocular media is seen during newborn examination.
4) Infants with neurodevelopment delay.

COMPONENTS OF UNIVERSAL EYE SCREENING IN NEONATES-

External examination of eye-

- Inspection of eye including the eyebrows, eyelids, eyelashes, tear sac and conjunctiva.
- Look for any abnormality of sclera, cornea, iris, pupil

Torch light examination-

- Look for ocular malformation and infections
- Look for pupillary reactions by constriction of each pupil when stimulated directly by light and other eye by consensual light reflex.

Red reflex test through direct ophthalmoscope-

- Red reflex is seen while examining the eye with an ophthalmoscope. This is useful in determining opacity of cornea, a cataract or retinal detachment. It is recommended in neonates in various developed countries (9). But it still has some limitation in detecting sensitivity of abnormalities.

Posterior segment evaluation-

dilated fundus examination with indirect ophthalmoscopy and widefield fundus imaging system like Ret Cam.

COMMON ABNORMAL FINDINGS DETECTED DURING UNIVERSAL EYE SCREENING-

CONGENITAL PTOSIS-

Congenital Ptosis is defined as maldevelopment of the levator plapebrae superioris muscle resulting in drooping of upper lid since birth.[10] When the levator palpebrae superioris is not functioning properly, there is corresponding increase action of frontalis and mullers muscle[11] It is affecting vision of child which is very disturbing to the parents.[12]

Patient with mild to moderate ptosis can wait up to 3-4 years of age, but severe ptosis can lead to dense amblyopia. Since our main goal in universal eye screening in neonates is to prevent visual loss, therefore severe ptosis requires early treatment. If levator function is poor <4mm, frontalis sling is surgical procedure advised and if levator function is good, then levator resection is procedure of choice.

CONGENITAL NASOLACRIMAL DUCT OBSTRUCTION-

It occurs due to Delayed canalization of nasolacrimal duct after birth resulting in constant or intermittent epiphora and matting of lashes.

Gentle pressure over the lacrimal sac causes reflux of purulent material and this constant epiphora predisposes neonate to congenital dacryocystitis.

According to Pediatric Eye Disease Investigator Group, lacrimal sac massage or topical antibiotics for neonates are as nonsurgical interventions to be done.[13,14] Medical management has revealed a very high success rate and children with congenital nasolacrimal duct obstruction should be properly followed up for ocular examination.

SUBCONJUNCTIVAL HAEMORRHAGE- Birth trauma is a cause of subconjunctival haemorrhage in newborn.[15]

It occurs when a tiny blood vessel breaks just underneath the clear surface of conjunctiva and is caused by continuous compression during passage through the birth canal with sudden increase of venous pressure.[16] It resolves spontaneously and reassurance is given to the parents.

CONGENITAL CORNEAL OPACITIES-

Congenital corneal opacities are rare ocular abnormality which if missed or delayed in treatment results in severe visual impairment.[17-19] Therefore, early management decreases the risk of visual loss in patients with congenital corneal opacity.[20]

COLOBOMA-

Coloboma occurs due to defective closure of the embryonal fissure.[21] Term describes ocular defects of eyelids, iris, lens, ciliary body, zonules, choroid, retina or optic nerve and is typically located in inferonasal quadrant of involved part. It can be unilateral or bilateral and in bilateral can be symmetric or asymmetric.[22] Study by Nakamura shows that isolated anterior segment involvement (iris and ciliary body) is 36%, isolated posterior segment involvement (chorioretinal and optic nerve) is 39% and involvement in both is 24%.[23]

In eyelid coloboma, lubricants are given if lid closure is compromised.

Lens coloboma are treated with corrective lenses.

In chorioretinal coloboma, monitoring for retinal detachment should be done by dilated fundus examination every 6 months.

CONGENITAL CATARACT-

It is the most common cause of childhood visual disability and is one of the treatable disease. Neonates can have posterior, perinuclear, nuclear and total cataract and crucial time to intervene to prevent amblyopia is within three months of life.[24] To avoid amblyopia, early intervention is recommended.[25]

BIRTH RELATED HAEMORRHAGES-

Birth related retinal haemorrhages, preretinal haemorrhages and macular haemorrhages are common in normal vaginal delivery and forceps vaginal delivery due to trauma.[26] These occurs due to compression of eyeball and especially with vacuum or forceps. There is acute increase in intracranial pressure resulting from compression inhibiting central retinal venous flow and subsequently results in acute retinal arterial pressure. Of all the infants, 94% are commonly delivered vaginally as compared to with 6 % who are delivered via caesarean section have retinal haemorrhages.

RETINOPATHY OF PREMATURITY

ROP is disorder of premature low birth weight infants featuring abnormal proliferation of the developing vessels at the junction of vascular and avascular retina. Number of neonates with risk of ROP has increased especially in India and China [27,28] because of increase incidence of low gestational age, low birth weight, sepsis and oxygen therapy.

There occurs hypoxic environment leading to cessation of vascular endothelial growth factors driven vessel growth and vaso-obliteration of parts of retinal vasculature by vascular endothelial cells apoptosis and excessive capillary regression with retinal ischemia.

Due to retinal ischemia and high metabolic demand of developing vessel, overproduction of VEGF is stimulated resulting in neovascularization.[29]

1.) Zones of ROP-

   a.) Definition of 3 retinal zones centered on optic disc. The location of the most posterior retinal vascularization or ROP lesion denotes the zone for the eye.

b.) Definition of posterior zone II region that begins at the margin between zone I and zone II and extends into zone II for 2 disc diameters.

c.) The term notch is used to describe an incursion by the ROP lesion of 1-2 clock hours into a more posterior zone. The ROP zone for such eyes should be noted by the most posterior zone of retinal vascularization with the qualifier ‘’ notch ‘’.

2.) Plus and preplus disease. Plus disease is defined by the appearance of dilation and tortuosity of retinal vessels, and preplus disease is defined by abnormal vascular dilation, tortuosity insufficient for plus disease, or both.

Stage of acute disease (stages 1-3). Stage of acute disease is defined by the appearance of a structure at the vascular- avascular juncture as stage 1 (demarcation line), stage 2 (ridge), and stage 3 (extraretinal neovascular proliferation or flat neovascularization). If more than 1 ROP stage is present, the eye is classified by the most severe stage.

Aggressive ROP- The term aggressive- posterior ROP was used previously to describe a severe, rapidly progressive form of ROP located in posterior zones of I or II. Because of increasing recognition that this may occur beyond the posterior retina and in large preterm infants, particularly in regions of the world with limited resources, the committee recommends the new term aggressive ROP.

Retinal detachment (Stage 4 and 5)-

a.) Stages of retinal detachment are defined as stage 4 (partial: 4A with fovea attached, 4B with fovea detached and stage 5 (total).

b.) Definition of stage 5 subcategories: stage 5A, in which the optic disc is visible by ophthalmoscopy (suggesting open-funnel detachment; stage 5B, in which optic disc is not visible because of retrolental fibrovascular tissue or closed- funnel detachment; and stage 5C, in which stage 5B is accompanied by anterior segment changes (e.g., marked anterior chamber

shallowing, iridocorneolenticular adhesions, corneal opacification), suggesting closed funnel configuration.

ROP is one of the preventable childhood blindness.

ROP is prevented by appropriate weight gain and breast feeding. Imaging of abnormal fundus helps us to record and monitor treatment and disease progression. [30]

Treatment options include- retinal laser, Anti- VEGF, scleral buckling and vitrectomy.

FAMILIAL EXUDATIVE VITREORETINOPATHY

FEVR is a hereditary disorder that can cause progressive vision loss. It is characterized by congenital peripheral anomalous retinal vascularization resulting in retinal ischemia. [31] Avascular zone is V shaped in temporal periphery larger than rest of the periphery but can extend 360 degrees. [32] It includes vitreous haemorrhage, retinal traction with temporal dragging, macular dragging, falciform retinal folds, subretinal exudates, persistent fetal vasculature, epiretinal membrane and retinal detachment.[31,32] Most common is autosomal dominant FEVR. [33]

Stage 1 FEVR can be observed. [34]
Stage 2 FEVR, pan-retinal photocoagulation of avascular zone is advised.
Stage 3 FEVR can be treated with scleral buckling.
In one of the study, intravitreal bevacizumab was used as alternative to laser or scleral buckling.[35]

AIMS AND OBJECTIVES

To determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life.

REVIEW OF LITERATURE

A study was done at Beijing Tongren Hospital in China and four hundred and eighty one neonates underwent ocular screening program.[37] Neonates who were unable to tolerate the eye examination and whose guardians refused to consent were excluded from the study. Screening time was around 6 weeks of age. Information about infants gestational age at birth, birth weight, APGAR score and hypoxia during birth were collected. External eye examination, anterior segment examination, red reflex examination and fundus examination was performed. Severity of retinal haemorrhages was graded by number of haemorrhages per eye.[38]

From 481, 253 were males and 228 were females. There were 408 full term and 73 premature neonates. Of all the neonates, low birth weight infants were 50 and with macrosomia were 41. 276 were delivered vaginally and 205 by caesarean section. 11 neonates had hypoxia at birth (APGAR score less than 8).[39] The birth weight of 73 preterm babies was 2400+/- 459.5g, the gestational age was 35.2+/-1.4weeks.

Total 198 (41.2%) neonates had abnormal findings. The most common finding was retinal whites and was found in atleast one eye in 85 infants accounting for 42.9% of abnormalities. 56 cases (69 eyes) were spot shaped, 17 cases (30 eyes) were strip shaped and 12 cases(21 eyes) were patched shape changes. Retinal haemorrhages were found in atleast one eye in 32 infants (16.2% abnormalities). Of 32 cases and 39 eyes with retinal haemorrhages, 29 eyes (74.4%) had grade 1, 9 eyes (23.1%) had grade 2 and one eye (2.6%) had grade 3 haemorrhages. Grading of retinal haemorrhages was done in this study based on number of haemorrhages. One or two haemorrhages were defined as grade 1, three to ten haemorrhages were defined as grade 2 and more than 10 haemorrhages were defined as grade 3. All retinal haemorrhages resolved spontaneously in neonates at 3 months of age.

Concomitant exotropia, retinal pigmentation, albinism like fundus, congenital nasolacrimal duct obstruction, familial exudative

vitreoretinopathy, immature retina, subconjunctival haemorrhage, vitreous haemorrhage and congenital cataract were other ocular abnormalities found in this study. They found that there was vitreous haemorrhage in 1 infant which absorbed spontaneously. Two neonates were with grade 1 familial exudative vitreoretinopathy.[40]

Familial exudative vitreoretinopathy could have been missed in this study and appropriate measures were not taken if full term neonates were not screened. Therefore, universal eye screening is mandatory for all neonates.

Concomitant exotropia was intermittent and relieved by its own at 3 months follow up.[41] Albinism was noted in 8 infants. Of 73 preterm infants, ROP was present in 9 infants (18 eyes) and immature retina was found in 2 infants (4 eyes). One neonate with threshold ROP received photocoagulation treatment. Red reflex revealed congenital cataract in one neonate. Lacrimal sac massage and topical antibiotics were prescribed for neonates with congenital nasolacrimal duct obstruction.[42] 0.2% of neonates had subconjunctival haemorrhage.[43]

Ocular abnormalities in this study were divided into three types-

-The first type were with no clinical significance like subconjunctival haemorrhage, retinal pigmentation and retinal haemorrhages.

-The second type had clinical significance and were monitored periodically included immature retina, FEVR grade 1 and 2 and retinal whites.

-The third group was with important clinical significance and required intervention like threshold ROP and cataract.

In this study, 198 had abnormal findings and 22 required some form of intervention.

Neonates in public hospital in Bangalore underwent universal eye screening. Parents of 1021 neonates were consented and enrolled. There were two groups in this study-

-First group included term babies weighing more than 2000 grams

-Second group had babies less than 2000 grams.

Babies less than 2000 grams were enrolled for ongoing ROP screening programme.[44]

From 1021 neonates, 559 (54.8%) were males and 462 (45.2%) were females. 990(96.9%) were delivered by caesarean section and 31 (3.1%) were delivered by normal vaginal delivery. 48(4.7%) neonates had an ocular pathology in atleast on eye. Retinal haemorrhages were most common and were present in atleast one eye in 25 neonates accounting for 52.1% of all abnormalities. [45,46] ROP like ridge was present in the temporal periphery in 9 babies resulting for 18.8% of all the abnormalities.[47] This ridge resolved spontaneously after 2 months. 2 neonates were with retinal dysplasia (4.2%), one neonate with peripheral scar (2.1%), one had persistent fetal vasculature syndrome (2.1%) and one with nevus (2.1%) were under constant observation.

Medical or surgical intervention was required in 9 babies i.e. 18.8% abnormalities detected. Seven of these (0.7%) needed medical attention with systemic workup. Five neonates had posterior uveitis with linear perivasculitis. Salt and pepper retinopathy was present in 1 neonate and was prompted for cardiac and auditory referral. One neonate had posterior synechiae and evaluation was done for intrauterine infection with uveitis. Two neonates (0.2%) required surgical intervention. One baby had unilateral cataract for which lensectomy with anterior vitrectomy was done. Another one had retinoblastoma and was treated appropriately.

Positive findings in this study were divided into three groups-

1.) Without major clinical significance were self -resolving retinal haemorrhages, spontaneously regressing ridges, retinal naevus and peripheral scars.
2.) Important findings (14.6%) included retinal vasculitis, retinal dysplasia and inoperable persistent fetal vasculature syndrome.
3.) Highly significant (4.2%) as in neonates with cataract and retinoblastoma.

This study helped a lot in detecting ocular abnormalities and timely intervention was done. Neonates were prevented from visual impairment by taking appropriate measures.

Prevalence of retinal haemorrhages is underestimated in this study because it is higher in vaginally born infants [48] and it was single public hospital study which serves as pilot study.

A prospective cross-sectional study of newborns was done in labour room, Hospital Kuala Lumpur in Malaysia. Healthy term infants underwent ocular examination within 72 hours or prior discharge. The inclusion criteria included neonates age less than 28 days, born term between 37 weeks to 41 weeks, birth weight more than 2kg, APGAR score more than 7, any mode of delivery, stable vital signs, informed consent by parents.

Study was divided into 2 parts-

-Part 1 included anterior segment examination

- Part 2 had posterior segment evaluation after pupillary dilatation.

Of 203 neonates, there were 69 newborns (34%) with ocular abnormalities. The mean newborn age was 1.93+/- 1.49 days of life during examination. There was no significant difference related to newborns weight and maternal age with or without ocular abnormalities. More number of newborns were delivered by spontaneous vaginal delivery in abnormal ocular group compared to normal ocular group

findings. Total of 14 abnormalities were in anterior segment and 64 were in posterior segments. Among these, 93.8% had retinal haemorrhages. Newborns delivered by SVD had 3.43 higher odds of having retinal haemorrhages compared to delivered by LSCS. With every 1 minute of increment in duration of second stage of labour, there were 6% more chances to get retinal haemorrhages.

In results, it was found that 34% neonates had abnormal findings and it was higher than expected range of 4 to 25% in other studies.[49-51] Ocular abnormalities found in this study were subconjunctival haemorrhage, iris nevus, retinal haemorrhages, vitreous haemorrhage and congenital hypertrophy of retinal pigment epithelium. They did not find any sight or life threatening diseases such as congenital glaucoma, cataract and ocular tumors.[49-54] Evaluation of some of the maternal, infant and birth factors was done which may contribute to risk for ocular pathologies. However, there was no significant difference with gender, race, maternal gravida and birth weight.

Commonest abnormality was found in posterior segment with 29.6% of neonates having retinal haemorrhages. This result fell within reported incidence of neonatal retinal haemorrhages between 2.6 to 50%.[55] This wide range of incidence can be due to sampling bias[56] and timing of examination.[57] Bilateral retinal haemorrhages were more common compared to unilateral (53.3% versus 46.6%) and this finding was similar to a systemic review by Watts et al. [57] Yani et al. proposed that compression of the foetal head during delivery causes deformation which leads to elevated intracranial venous pressure, peripheral vascular congestion, expansion or rupture resulting in retinal haemorrhages.[58]

A systemic review by Watts et al, found that ,instrument delivery had a higher risk compared to SVD.[57,59] Many of these haemorrhages resolved spontaneously within 1-2 weeks without significant long term impairment. [57] In some neonates it was recovered by 1 month.[59] Retinal haemorrhages rarely persists beyond six weeks, except in some cases

can be up to 58 days.[57] Early detection of retinal haemorrhages can help us to distinguish between newborn ocular abnormalities and non-accidental injuries such as shaken baby syndrome. [59] Choi et al. reported a case of vitreous haemorrhage, which resolved spontanoeusly after 3 months.[60] Some authors have reported that long standing dense haemorrhage obscuring the macula may limit normal eye development, potentially resulting in visual disturbances such as anisometropia and amblyopia later in life.[50,60] In this study, there were no reported adverse effect from screening procedure in neonates. However, previous studies showed some systemic effects and they resolved spontaneously without any harm to neonates. [61-63]

Another prospective observational study was done in Newzealand in which 350 infants participated.[54] Maternal, obstetrics and neonatal factors were analysed independently in relation retinal haemorrhages occurence. The prevalence of retinal haemorrhages was 14.5% from which 68% were bilateral and 32% were unilateral. Chi square test revealed significant differences in relation to presence or absence of retinal haemorrhages with respect to delivery modality, induction of labour and screening within 72 hours of birth. A binominal logistic regression was performed to establish the effects of delivery modality and screening within 72 hours of age on the likelihood that retinal haemorrhages were present. The model demonstrated a normal vaginal delivery and instrumental vaginal delivery compared with infants delivered by caesarean section. Infants with retinal haemorrhages underwent repeat screening at 6 weeks to assess the status of retinal haemorrhages.[57]

Follow up was attended by 66% of infants with retinal haemorhages. At follow up screening, 94% of infants had complete resolution of retinal haemorrhages. The 2 infants with persisting retinal haemorrhages had been classified as extensive retinal haemorrhages on initial screening following ventouse delivery and these retinal haemorrhages took further 3 months to resolve. [55] Other abnormalities detected in this study were congenital cataract, suspected choroidal haemangioma, congenital

hypertrophy of retinal pigment epithelium and suspected optic nerve hypoplasia.

A pilot study was done in civil hospital of eastern India over 1.5 years. Ocular abnormality was seen in 172(14.93) neonates. Retinal haemorrhages in 153 neonates (88.9%) was the most common abnormality. It was bilateral in 118(77.2%) neonates and four babies had foveal haemorrhages.[64] Retinal haemorrhages were seen in 47.6% of babies born by normal vaginal delivery and 5.2% born by lower segment cesarean section . The retinal haemorrhages resolved spontaneously in all these neonates. Two neonates were with enlarged and heavy cornea. They were diagnosed to have congenital glaucoma and were treated appropriately. Uveal coloboma was seen in 2 neonates and the iris was spared in one neonate with unilateral involvement. Two neonates showed ridge similar to the one seen in retinopathy of prematurity and were evaluated in detail to rule out other retinopathy of prematurity mimickers including familial exudative vitreoretinopathy. The ridge regressed in one neonate within time and the other one was lost to follow up.[65] Three babies had cystic fovea.

Other ocular findings were subconjunctival haemorrhage, vascular dilatation, hypopigmented fundus, immature retina and mature retina with greenish hue. Two cases of early retinoblastoma were detected and it was the only significant ocular pathologies that could have been missed by external examination and red reflex test alone.[66] Therefore, posterior segment evaluation is mandatory to prevent visual impairment. The average time to examination was 3.68 days. The mean gestational age and birth weight were 39.07 weeks and 2.88kg.

In south Korea, healthy full term newborn eye screening was done. The examination was done on total of 55,901 neonates. 14,933 abnormal cases (26.72%) were detected in this study. The abnormality most common found was retinal haemorrhages in 14,668 (26.24%) neonates. There were 3,514 (24.14%) of macular haemorrhages. The other 265 cases (0.48%) with abnormal ocular findings included congenital

cataract, retinoblastoma, persistent hyperplastic primary vitreous, persistent pupillary membrane, choroidal nevus, albinism, optic nerve hypoplasia, enlarged cup disc ratio and congenital microphthalmos.

A study was conducted in Asia on universal newborn eye screening with highest number of premature births. 13.4% of all live births in South Asia are premature compared with less than 8% in United Kingdom.[67,68] A recent study by International Paediatric Ophthalmology and Strabismus Council surveyed 141 countries worldwide on their retinopathy of prematurity screening programme with a 65% response rate.[69]

A publication from the Republic of China reported the findings of perinatal ocular examination performed in 3573 infants and found 871 (24.4%) to have some abnormality.[70] Of these, 769(21.52%) had retinal haemorrhages. Of these, there were 215 cases of significant retinal haemorrhages, possibly sight threatening or amblyogenic, representing 6.02% of the total neonates.[71] In addition, 67 cases (1.88%) involved macular haemorrhages. The other 107 cases (2.99%) with abnormal ocular examination included subconjunctival haemorrhage, congenital microphthalmos, congenital corneal leukoma, posterior synechia, persistent pupillary membrane, congenital cataract, enlarged cup to disc ratio, retinal hamartoma versus retinoblastoma, optic nerve defects, macular pigment disorder and non-specific peripheral retinopathy. [72]

MATERIALS AND METHODS

A prospective study was conducted on all the neonates born in Dayanand Medical College and Hospital, Ludhiana, Punjab and were undergone Universal newborn eye screening.

METHOD OF COLLECTION OF DATA

The examination included external eye examination, red reflex test and dilated fundus examination. The positive findings were documented using Ret cam shuttle. Gestational age, birth weight, maternal age and mode of delivery (spontaneous vaginal delivery, assisted birth or caesarean section) were documented. The screening was performed in a neonatal intensive care unit and Ophthalmology out-patient department. Pupillary dilatation was done using a commercially available combination of tropicamide and phenylephrine half strength administered 3 times at an interval of 10 minutes.

INCLUSION CRITERIA-

1. All neonates born in our hospital.
2. Any mode of delivery (spontaneous vaginal delivery, assisted birth and caesarean section)
3. Parents giving consent for screening examination.

EXCLUSION CRITERIA:

1. Parents refused to consent for screening examination.
2. Neonates unstable for eye examination

DURATION OF STUDY-Prospective study from march 2021 to February 2022.

Ocular examination included-

1.) External examination of eye-

-Inspection of eyebrows, eyelids, eyelashes, tear sac and conjunctiva

-See any abnormality of sclera, cornea, iris and pupil.

2.) Torch light examination-

- Look for ocular malformations and infections.

- Look for pupillary reactions

3.) Red reflex test through direct ophthalmoscope-

- Red reflex helps in determining opacity of cornea, cataract or retinal detachment.

4.) Posterior segment evaluation –

- Dilated fundus examination with indirect ophthalmoscope and widefield fundus imaging system like Retcam .

OCULAR HISTORY: Identifying risk factors for vision impairment for future follow up even if initial eye examination is normal at birth:

1. Family history of conditions causing blindness or severe visual impairment, refractive error, retinoblastoma, congenital cataract, congenital glaucoma, coloboma, nystagmus, Sickle cell disease, amblyopia, unexplained vision loss since early childhood, strabismus or crossed eyes, Optic atrophy, Aniridia, Albinism, Retinoblastoma, and Retinitis pigmentosa.

2.) Look for risk factors in neonates—

-Premature birth (less than 37 weeks),

-Delayed cry/ Birth asphyxia

-Neonatal sepsis

-Birth weight less than 2000gms,

-Admitted in NICU for >4 days,

-Down syndrome, hearing impairment or hydrocephalous.

ASSESSMENT OF NEWBORN EYE

1. Look for abnormally small eye (microphthalmos) or absent eye (anophthalmos)
2. Lids- Normal/ swelling/droopy/coloboma
3. Mongoloid/ ante mongoloid slant/ epicanthic folds.
4. Regurgitation test- Positive/ negative
5. Conjunctiva- Red/ normal
6. Red discharging eyes- Yes/No (Look for swelling, excessive watering, or discharge from eyes)
7. Sclera- White/ red inflamed/ any growth
8. Cornea- Large cornea (megalocornea) / small cornea(microcornea)/ Transparent/ corneal opacity/congenital glaucoma.
9. Iris- Normal/ abnormal color/ coloboma
10. Lens- Congenital cataract
11. Pupil- Circular / clear/ white/ unequal both side
12. Retina- normal/ retinal haemorrhages/ preretinal haemorrhages/ optic nerve hyperplasia/ optic disc pit/ Retinopathy of prematurity.

STATISTICAL ANALYSIS

Data was described in terms of range; mean ± standard deviation (± SD), median, frequencies (number of cases) and relative frequencies (percentages) as appropriate. All statistical calculations were done using (Statistical Package for the Social Science) SPSS 21 version (SPSS Inc., Chicago, IL, USA) statistical program for Microsoft Windows.

OBSERVATION AND RESULTS

The study was conducted in Dayanand Medical College and Hospital, Ludhiana and enrolled neonates from march 2021 to February 2022. All neonates born were undergone eye screening within 1 month of birth.

Table 1: Gender distribution

SEX	No. of cases	Percentage
Female	184	36.70%
Male	317	63.30%
Total	501	100.0%

Out of 501 neonates, 184 were females and 317 were males.

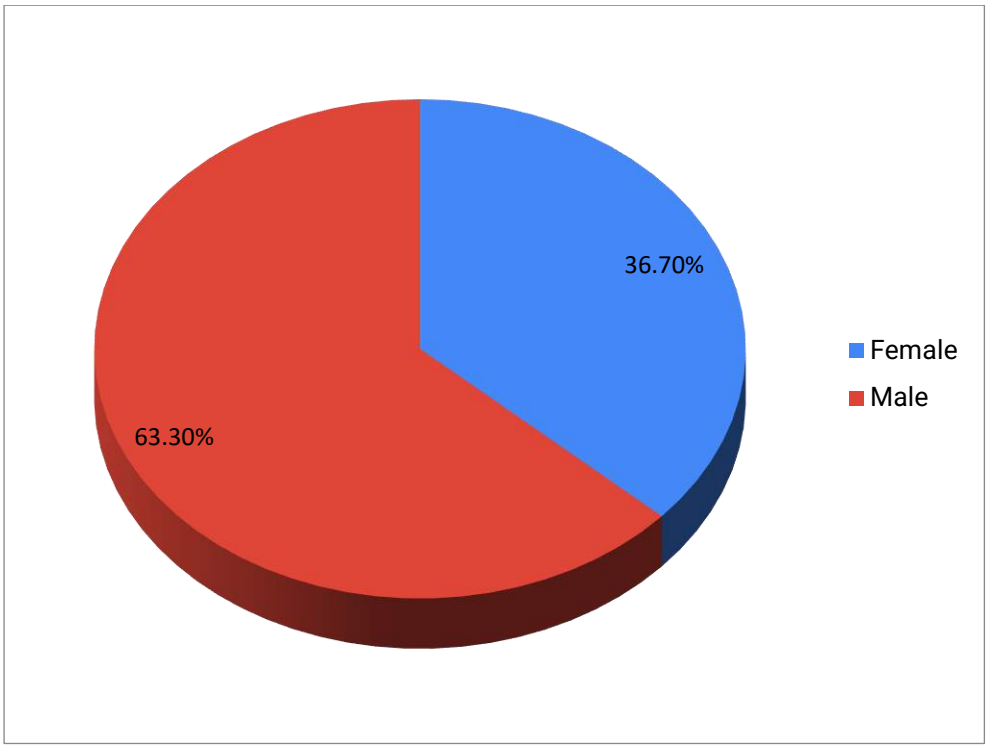

Figure 1: Gender distribution

Table 2: Birth weight group

BIRTH WEIGHT GROUP	No. of cases	Percentage
<1000	36	7.2%
1000-1500	104	20.8%
1500-2500	253	50.5%
>2500	108	21.6%
Total	501	100.0%

There were total of 501 neonates, the minimum birth weight was 560 grams and maximum was 4160 grams. There were 36 neonates with weight less than 1000gm, 104 neonates with weight between 1000-1500 grams, 253 neonates with weight between 1500-2500 grams and 108 neonates with wight more than 2500 grams.

The mean birth weight in the study population was 1969.87 with standard deviation of 683.61.

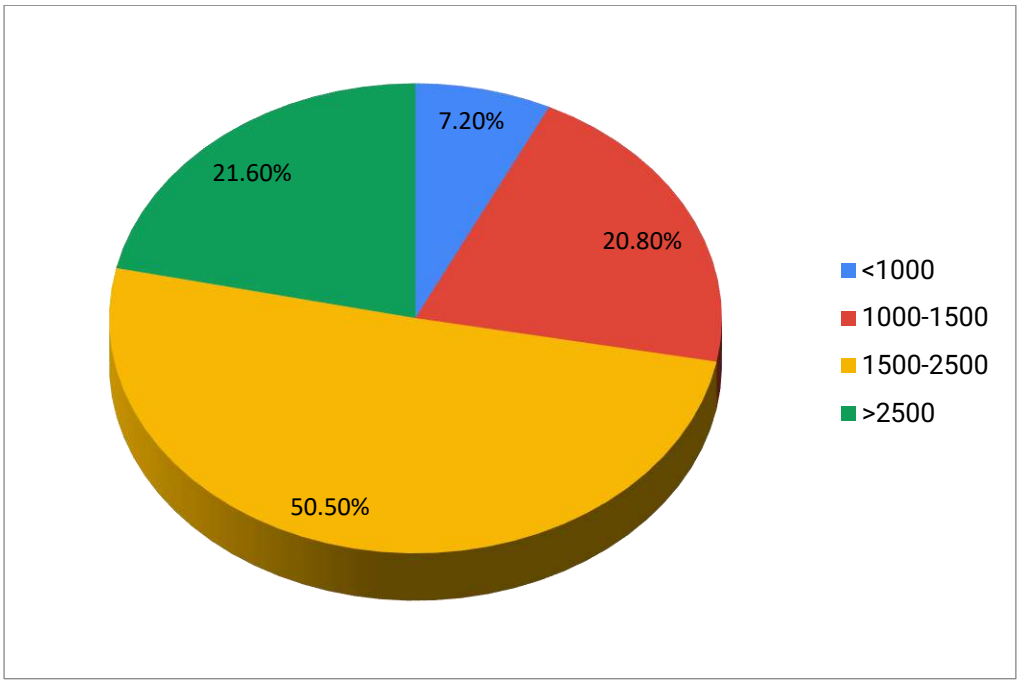

Figure 2: Birth weight group

Table 3: Gestational age group

GESTATIONAL AGE GROUP	No. of cases	Percentage
<26	29	5.8%
26-28	251	50.1%
28-32	62	12.4%
>32	159	31.7%
Total	501	100.0%

There were total 501 neonates, the minimum gestational age at the time of birth was 23weeks and maximum was 40 weeks. There were 29 neonates with gestational age less than 26 weeks. 251 neonates with gestational age between 26-28 weeks, 62 neonates with gestational age between 28-32 weeks and 159 neonates with gestational age above 32 weeks.

The mean gestational age is 34.27 with standard deviation of 3.60.

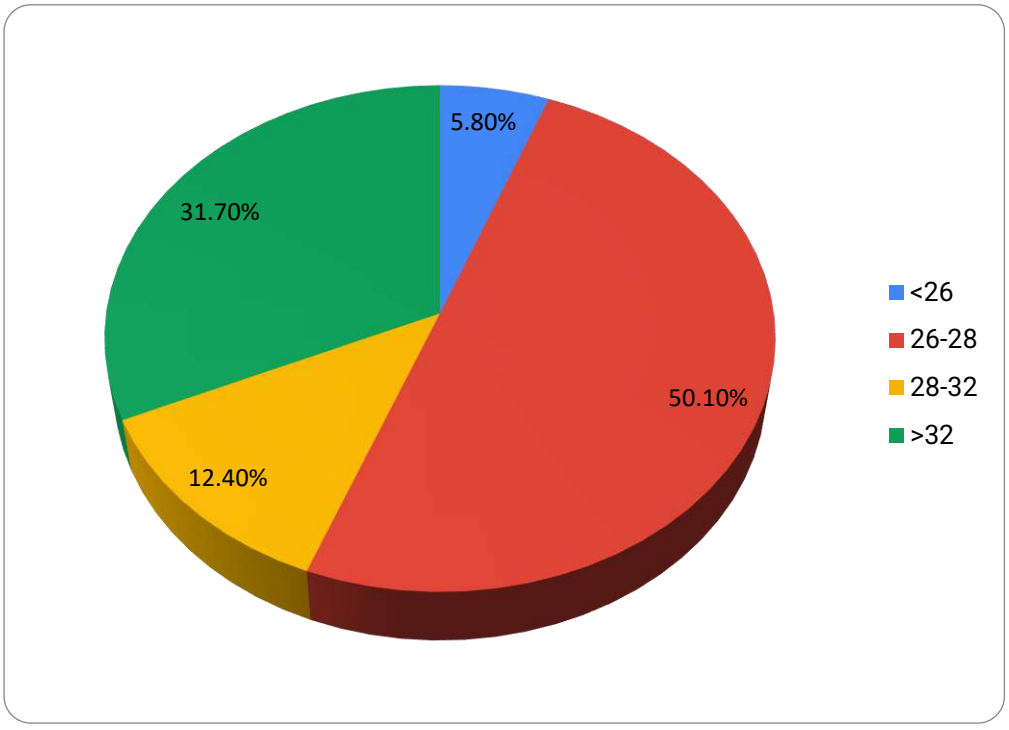

Figure 3: Gestational age group

Table 4: Maternal age group

MATERNAL AGE GROUP	No. of cases	Percentage
<25	61	12.20%
26-30	323	64.50%
>30	117	23.40%
Total	501	100.0%

Out of 501 neonates, minimum maternal age was 20 years and maximum maternal age was 46 years. There were 61 neonates with maternal age of less than 25years, 323 neonates with maternal age of 26-30 years and 117 neonates with maternal age of more than 30 years.

The mean maternal age was in the study population was 28.76 with standard deviation of 3.16.

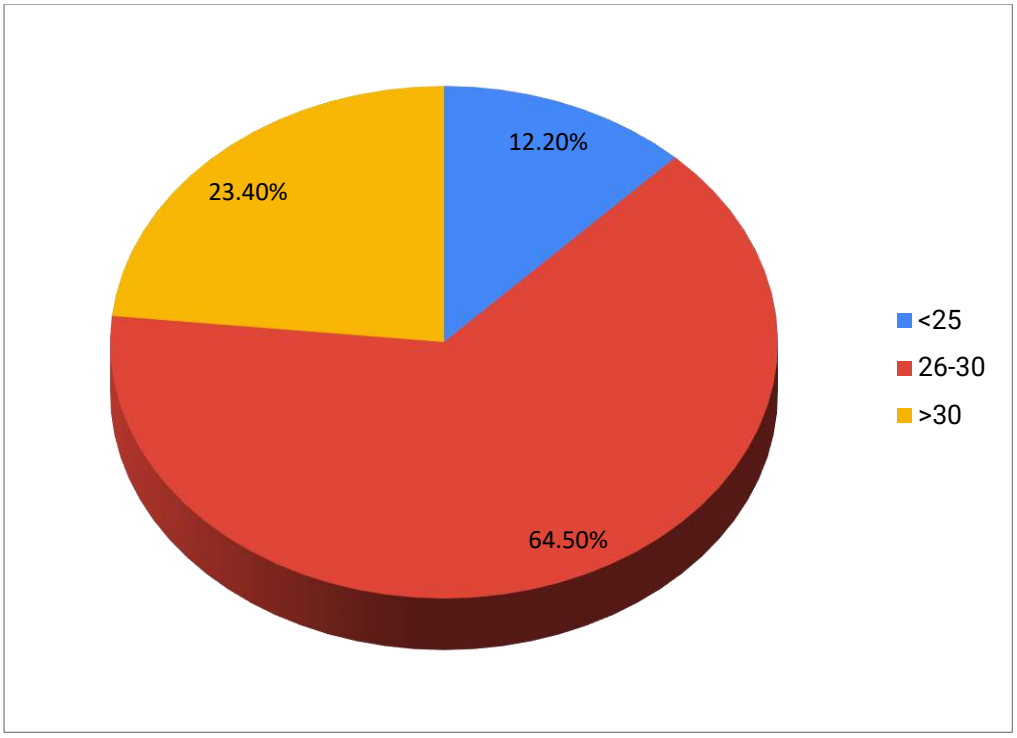

Figure 4: Maternal age group

Table 5: Mode of delivery

MODE OF DELIVERY	No. of cases	Percentage
FVD	2	0.40%
LSCS	378	75.40%
NVD	121	24.20%
Total	501	100.0%

Out of 501 neonates born, 2 were born by FVD, 378 by LSCS and 121 by NVD.

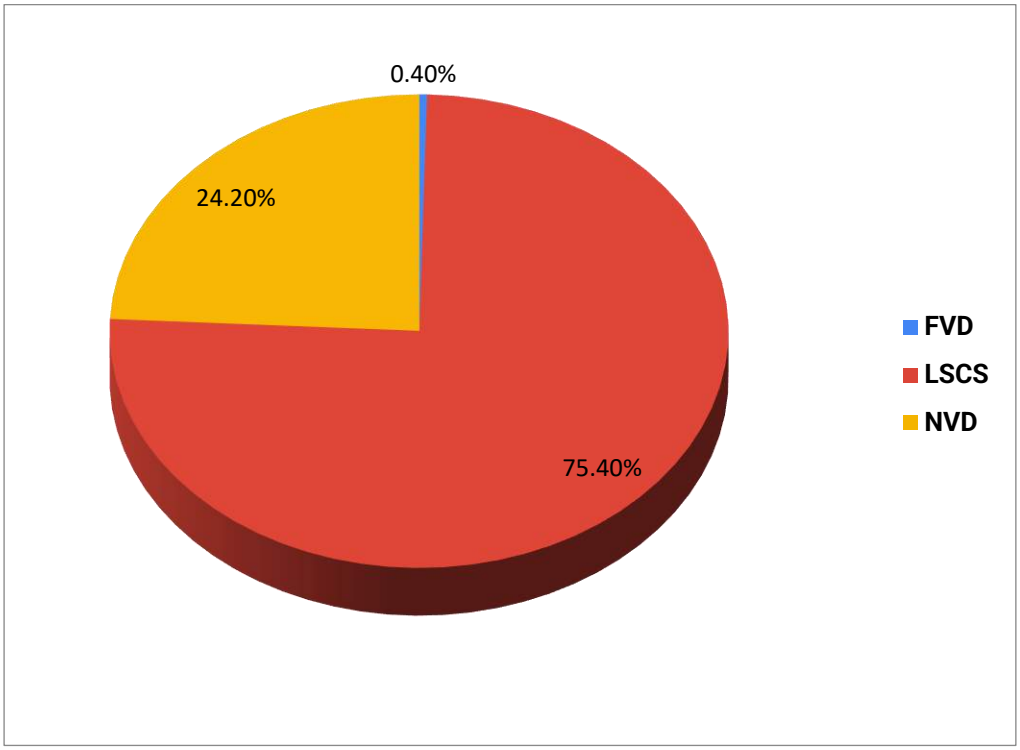

Figure 5: Mode of delivery

Table 6: APGAR score at 1 minute

APGAR SCORE 1MIN	No. of cases	Percentage
3	1	0.20%
5	25	5.00%
6	96	19.20%
7	224	44.70%
8	137	27.30%
9	18	3.60%
Total	501	100.0%

There were 501 neonates in study population, the minimum Apgar score was 3 and maximum was 9. There was 1. neonate with Apgar score of 3, 25 with Apgar score of 5, 96 with Apgar score of 6, 224 with Apgar score of 7, 137 with Apgar score of 8 and 18 with Apgar score of 9

The mean Apgar score in study population was 7.05 with standard deviation of 0.92.

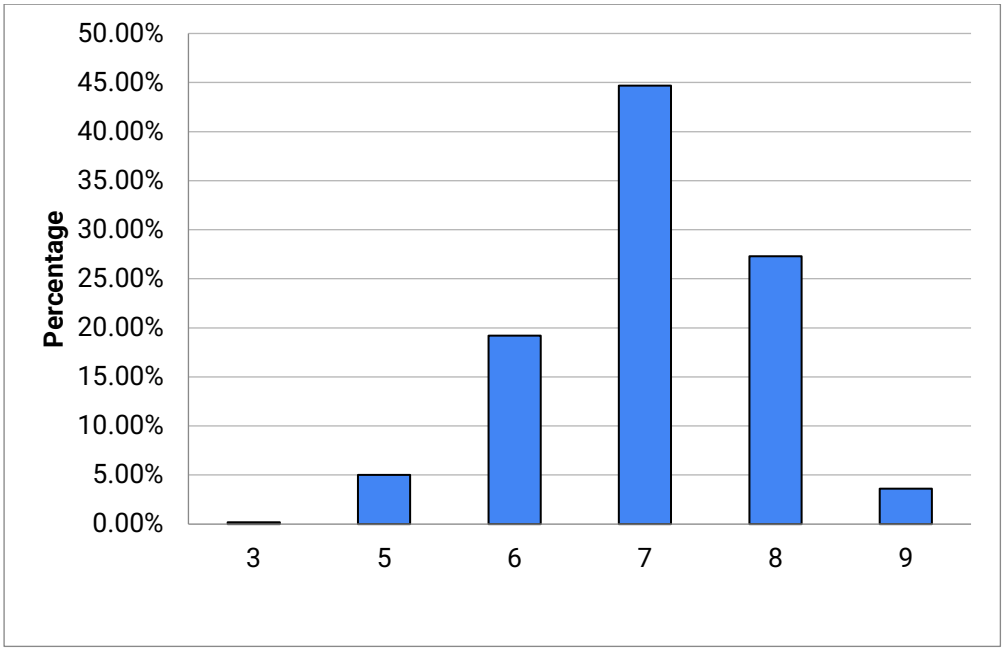

Figure 6: APGAR score at 1 minute

Table 7: APGAR score at 5 minutes

APGAR SCORE 5 MIN	No. of cases	Percentage
4	1	0.20%
5	2	0.40%
6	14	2.80%
7	75	15.00%
8	147	29.30%
9	221	44.10%
10	41	8.20%
Total	501	100.00%

From 501 neonates, minimum Apgar score was 4 and maximum was 10. There was 1 neonate with Apgar score of 4, 2 neonates with Apgar score of 5, 14 with Apgar score of 6, 75 with Apgar score of 7, 147 with Apgar score of 8, 221 with Apgar score of 9 and 41 with Apgar score of 10.

The mean Apgar score in study population was 8.38 with standard deviation of 0.98.

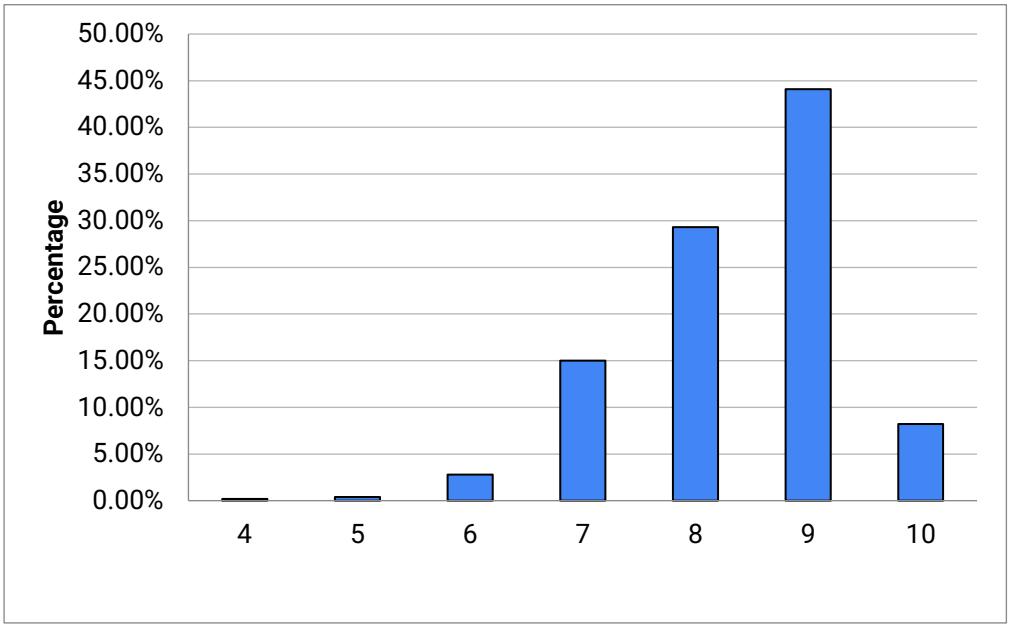

Figure 7: APGAR score at 5 minutes

Table 8: Culture

CULTURE	No. of cases	Percentage
Negative	493	98.4%
Positive	8	1.6%
Total	501	100.0%

There were 501 neonates in study population. 28 neonates had positive culture.

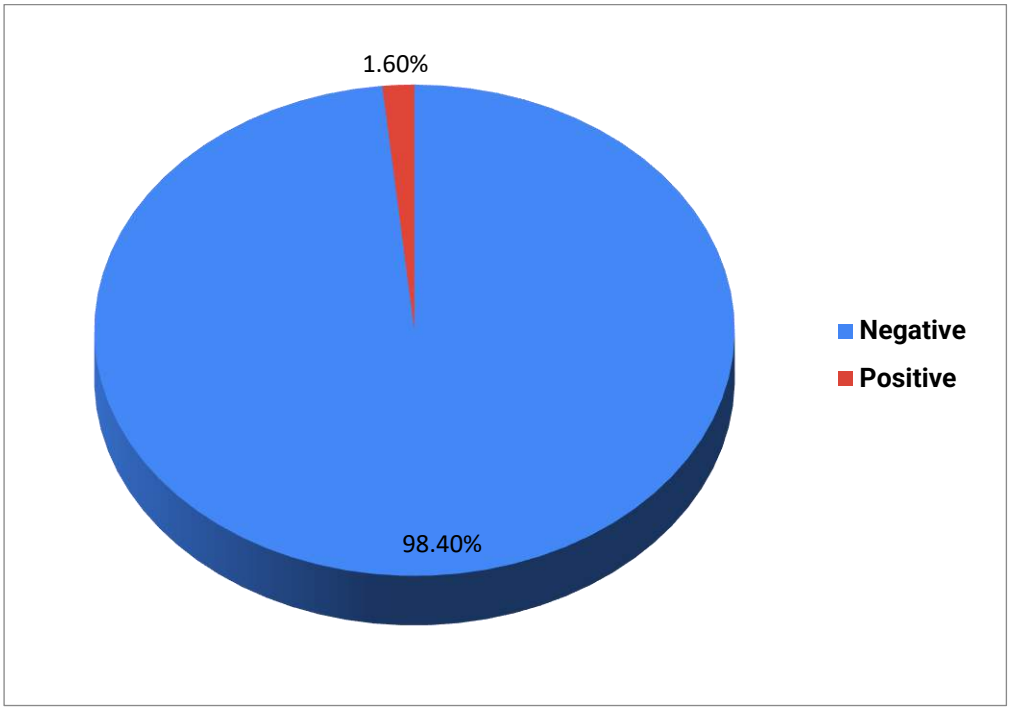

Figure 8: Culture

Table 9: Sepsis screen

SEPSIS SCREEN	No. of cases	Percentage
Negative	473	98.4%
Positive	28	1.6%
Total	501	100.0%

Out of 501 neonates, 28 patients had positive sepsis screen i.e. c-reactive proteins more than 6.0.

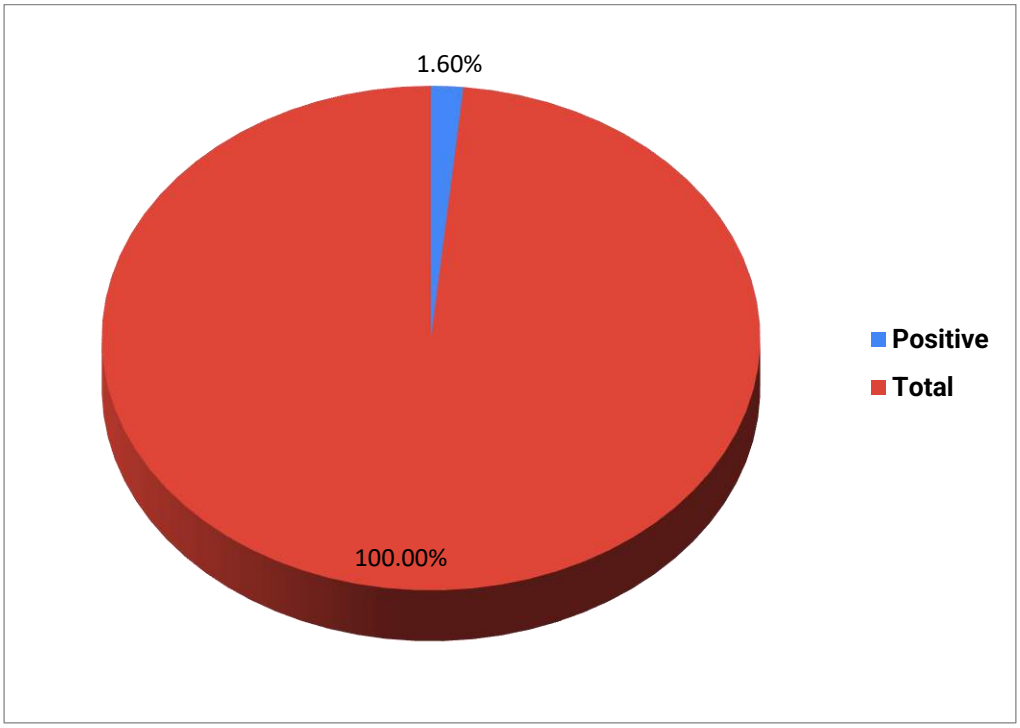

Figure 9: Sepsis screen

Table 10: Risk Factors Analysis

	Cases	Percentage
Premature birth <37weeks	322	64.30%
Delayed cry/ Birth asphyxia	60	12%
Birth weight <2000grams	265	52.90
Admitted in NICU >4 days	247	49.30%
Neonatal sepsis	23	4.60%

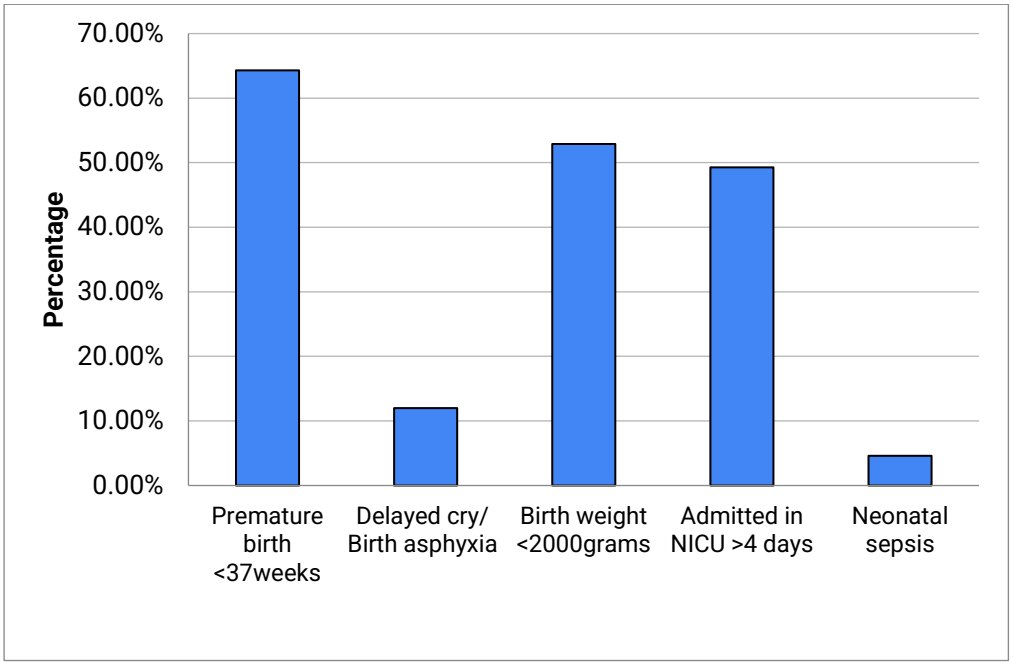

Figure 10: Risk Factors Analysis

ASSESMENT OF NEWBORN- Five hundred and one neonates were screened during the study period. Out of these, 193 neonates had abnormal findings.

Table 11: Ocular Abnormalities

Abnormalities	**No. of cases**	**Percentage**
Ptosis	1	0.2%
Epicanthal fold	1	0.2%
Congenital nasolacrimal duct obstruction	21	4.2%
Subconjunctival hemorrhage	2	0.4%
Bacterial conjunctivitis	9	1.8%
Corneal opacity	1	0.2%
Unequal pupil both sides	1	0.2%
Familial exudative vitreoretinopathy	1	0.2%
Vitreous haemorrhage	1	0.2%
Vascular occlusion	1	0.2%
Macular haemorrhages	3	0.6%
Retinal haemorrhages	14	2.8%
Retinopathy of prematurity	134	26.7%

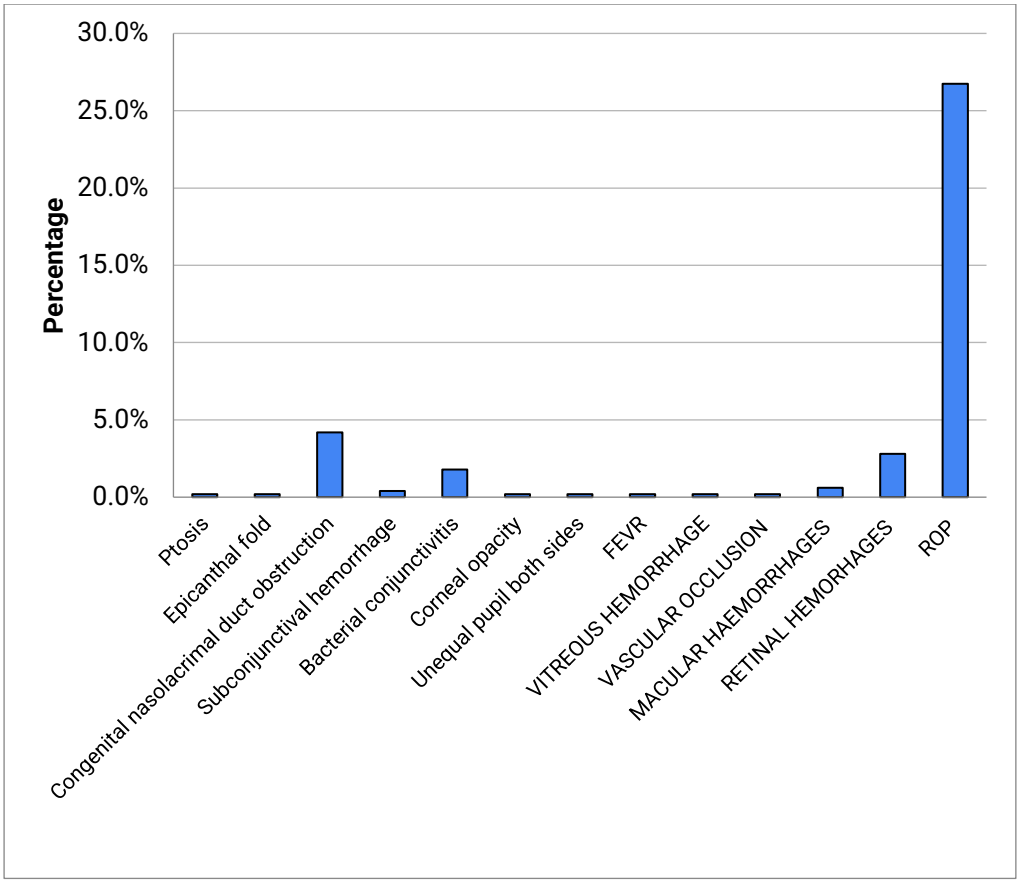

Figure 11: Ocular Abnormalities

Table 12: Neonates with retinopathy of prematurity.

	Cases	**Percentage**
Type 1 ROP	1	0.20%
Type 2 ROP	131	26.15%
APROP	2	0.40%

Retinopathy of prematurity was present in 134 neonates accounting for 26.7% of abnormalities. Type 1 ROP was present in 1 (0.2%), type 2 ROP in 131 (26.15%) and APROP was present in 2 (0.40%) neonates. 160 neonates had avascular retina.

Z1S2 ROP was present in 1(0.2%), Z2S1in 74 (14.8%), Z2S2 in 52(10.4%), Z2S3 in 2(0.4%) and Z3S1 in 3 (0.6%) neonates.

Retinal hemorrhages were present in 14 neonates (2.8%). Macular hemorrhages were present in 3 neonates (0.6%). These were present in neonates born with normal vaginal delivery.

Other ocular abnormalities included ptosis in 1 neonate (0.2%), epicanthal fold in 1 neonate (0.2%), congenital nasolacrimal duct obstruction in 21 neonates (4.2%), subconjunctival hemorrhage in 2 neonates (0.4%), bacterial conjunctivitis in 9 neonates (1.8%), corneal opacity in 1 neonate (0.2%), unequal pupil in 1 neonate (0.2%), familial exudative vitreoretinopathy in 1 neonate (0.2%), vascular occlusion in 1 neonate (0.2%) and vitreous hemorrhage in 1 neonate (0.2%).

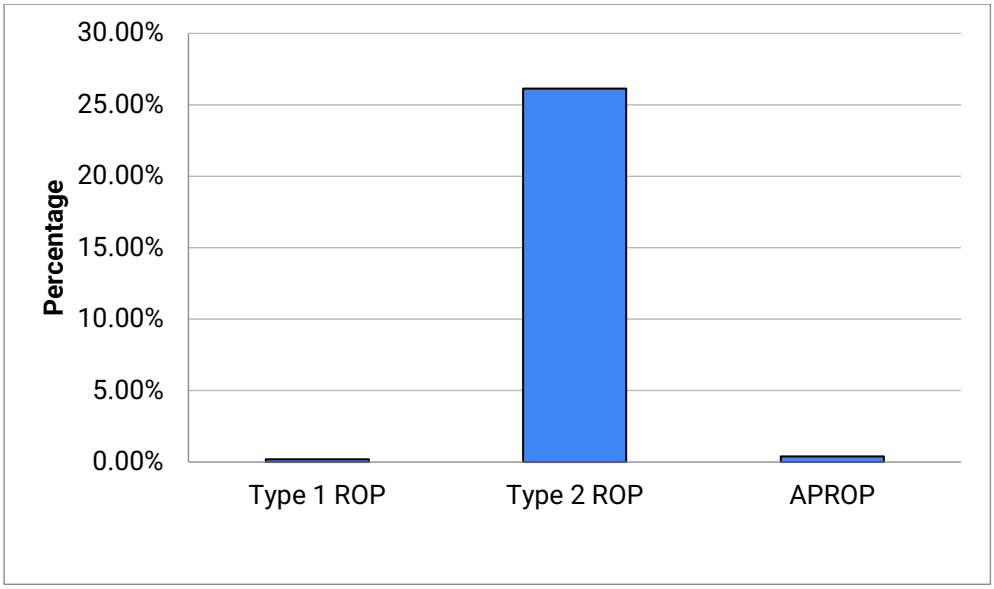

Figure 12: Neonates with retinopathy of prematurity

DISCUSSION

This study determines the prevalence of ocular pathologies and associated risk factors in newborns screened within the first month of life.

Out of 501 neonates, 184 were females and 317 were males. Mean birth weight in our study population was 1969.87 grams. Our study found that 37.9% of neonates had abnormal ocular findings and it was higher than the expected range of 4 to 25% in other studies as study was conducted in tertiary care centre.[1,50,51]. Ocular abnormalities detected in our study were ptosis, epicanthal fold, congenital nasolacrimal duct obstruction, subconjunctival haemorrhage, bacterial conjunctivitis, corneal opacity, unequal pupil on both sides, familial exudative vitreoretinopathy, vitreous haemorrhage, vascular occlusion, macular haemorrhages, retinal haemorrhages and retinopathy of prematurity.

Compared to other studies, we did not find any vision threatening diseases such as cataract, congenital glaucoma and ocular tumors. [1,50-54] A publication from People's Republic of China reported 2.2% vision threatening ocular abnormalities from 3573 healthy neonates.

We evaluated some of the maternal, neonatal and birth factors in our study which may contribute to risk of ocular abnormalities. We found that there was no significant difference with sex, gestational age group and maternal age group.

In this study, the commonest abnormality was retinopathy of prematurity in 26.7% of neonates. Fundus digital imaging system used helps us to take images which can be used in form of visual education to parents. Study done by Yan Ma in China on 481 neonates detected retinopathy of prematurity in 1.9% and avascular retina in 0.4% neonates. Anand Vinekar et al in universal eye screening of 1021 infants showed 18.8% infants with retinopathy of prematurity. Retcam imaging has prompted the safety along with early treatment thus saving the vision of neonates.[73] Examination using the fundus camera provides an

alternative to indirect ophthalmoscopy. We found in our study that retinopathy of prematurity was more common in premature neonates, neonates with low birth weight and low apgar score.

Second most common abnormality found was congenital nasolacrimal duct obstruction (4.2%). Yan Ma found congenital nasolacrimal duct obstruction in 0.8% neonates in his study. Lacrimal sac massage and topical antibiotic was prescribed to these neonates. A survey of common management policies for nasolacrimal duct obstruction among pediatric ophthalmologists showed that 82% respondents preferred to instruct parents to massage nasolacrimal duct during first year of life.[14]

In our study, third common ocular finding was retinal hemorrhages (2.8% of neonates). Universal ocular screening of 481 infants in China by Yan Ma showed retinal hemorrhages in 6.7% neonates and they resolved spontaneously at 3 months follow up. Another study done in Bangalore on 1021 term infants by Anand Vinekar et al had retinal haemorrhages in 52.1% neonates.[74] Retinal hemorrhages were common in neonates born with normal vaginal delivery compared to neonates born with caesarean section. In recent years, many authors tried to explain mechanism and risk factors for retinal hemorrhages and said that it is likely due to birth related trauma. [1,58] Yani et al. proposed that compression of the fetal head during delivery causes deformation, which leads to elevated intracranial venous pressure, peripheral vascular congestion, expansion, or rupture, resulting in retinal hemorrhage.[58] Early detection of retinal hemorrhages helps us to distinguish between newborn ocular abnormalities and non-accidental injuries such as shaken baby syndrome.[59]

Macular hemorrhages were in 0.6%, ptosis in 0.1%, epicanthal fold in 0.1%, subconjunctival hemorrhages in 0.4%, bacterial conjunctivitis in 0.9%, corneal opacity in 0.1% and vascular occlusion in 0.1% of neonates. There was vitreous hemorrhage in 0.1% of neonates which resolved spontaneously at 2 months. Similar finding was reported by

Choi et al. in follow up case of vitreous hemorrhage, which resolved after 3 months.[60]

Familial exudative vitreoretinopathy was found in 0.1% of neonates. It was differentiated from retinopathy of prematurity by normal birth weight and full-term birth along with classic avascular zone and peripheral exudation. Similar two cases of familial exudative vitreoretinopathy were found in universal ocular screening of 481 neonates in China. Its severe form include neovascularization, retinal exudates, retinal hemorrhage, preretinal membranes, retinal folds and retinal detachment.[40,75] Timely universal eye screening is very important to prevent visual impairment since familial exudative vitreoretinopathy can be only found through universal eye screening.

In our study, there were no reported adverse effects from the screening procedure conducted on neonates. Previous studies showed that there were mild side effects i.e. mild congestion, periorbital swelling and occassional watering which resolved spontaneously. [63,73]

Our study is done in one of the tertiary care center, so we have got a significant percentage (37.9%) and variety of ocular abnormalities.

There are certain limitations in this study. Follow up was not included and it was time bound study, so sample size was less.

SUMMARY AND CONCLUSION

Universal eye screening is not only important for preterm neonates but also for full term neonates as many vision threatening abnormalities can be missed in full term neonates. Examination in early neonatal period can prevent the visual impairment.

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S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
1	1038672	Male	3000	37	02-03-2021	20-03-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	YES
2	1038624	Female	2630	34	02-03-2021	09-04-2021	20	LSCS	5	8	8	POSITIVE	NEGATIVE	YES	NO	NO	NO	YES
3	10379719	Male	2050	35	03-03-2021	08-04-2021	25	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
4	1042031	Male	1200	33	05-03-2021	25-04-2021	27	LSCS	15	5	5	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
5	1020986	Male	930	27	07-03-2021	13-05-2021	26	LSCS	31	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
6	1248935	Female	1080	30	10-03-2021	19-05-2021	30	LSCS	17	5	6	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
7	1050916	Male	1120	33	13-03-2021	11-06-2021	33	LSCS	48	7	9	POSITIVE	POSITIVE	YES	YES	NO	YES	YES
8	1051590	Male	910	31	14-03-2021	16-05-2021	32	LSCS	20	5	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
9	1052416	Female	960	28	15-03-2021	09-06-2021	24	LSCS	26	5	8	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
10	1055316	Female	1000	29	17-03-2021	16-05-2021	30	NVD	43	6	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
11	1054191	Female	2220	37	17-03-2021	07-04-2021	26	LSCS	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
12	1055496	Male	1370	30	18-03-2021	02-05-2022	32	LSCS	35	5	9	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
13	1055470	Female	1250	30	18-03-2021	02-05-2021	32	LSCS	31	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
14	1055471	Female	1155	30	18-03-2021	02-05-2021	32	LSCS	31	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
15	1056250	Male	1565	30	18-03-2021	02-05-2021	30	LSCS	30	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
16	1058021	Male	1600	31	19-03-2021	22-05-2021	28	NVD	24	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
17	1057280	Female	1515	30	19-03-2021	24-05-2021	30	LSCS	26	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
18	1057308	Male	1700	30	19-03-2021	24-05-2021	30	LSCS	26	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
19	1059489	Male	3520	39	21-03-2021	25-03-2021	33	NVD	2	7	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
20	1032798	Male	1080	30	22-03-2021	04-05-2021	31	LSCS	29	7	9	POSITIVE	POSITIVE	YES	NO	NO	YES	YES
21	1112583	Male	1670	32	22-03-2021	04-05-2021	27	LSCS	20	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
22	1229711	Female	1260	32	22-03-2021	04-05-2021	29	LSCS	30	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
23	1063966	Male	3000	33	23-03-2021	05-05-2021	30	NVD	20	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
24	1029449	Female	1160	30	23-03-2021	02-06-2021	25	LSCS	20	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
25	1036246	Male	1650	32	24-03-2021	26-04-2022	33	LSCS	14	8	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
26	10336246	Male	1360	32	24-03-2021	26-04-2021	33	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
27	1018890	Male	2120	34	24-03-2021	04-05-2021	32	NVD	12	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
28	1046283	Male	1780	33	24-03-2021	04-05-2021	28	LSCS	15	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
29	1030218	Male	2160	34	25-03-2021	08-05-2021	32	LSCS	16	6	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
30	1030223	Female	1720	34	25-03-2021	08-05-2021	32	LSCS	16	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
31	1037222	Male	4160	35	25-03-2021	29-04-2022	23	LSCS	14	5	5	POSITIVE	POSITIVE	YES	YES	NO	NO	YES
32	1037185	Male	1400	29	25-03-2021	06-06-2021	25	LSCS	30	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
33	1066127	Male	1560	36	27-03-2021	26-04-2021	27	LSCS	12	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
34	1068172	Female	2050	34	27-03-2021	11-05-2021	23	LSCS	30	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
35	1069966	Male	2200	33	27-03-2021	12-05-2021	31	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
36	1016347	Female	1380	34	28-03-2021	10-05-2022	30	LSCS	6	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
37	1045641	Female	1680	34	29-03-2021	18-05-2021	27	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
38	1069970	Male	2050	39	30-03-2021	04-04-2021	26	NVD	2	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
39	1060083	Female	1780	37	30-03-2021	20-04-2021	31	LSCS	5	6	7	NEGATIVE	NEGATIVE	NO	NO	NO	YES	YES
40	1071567	Male	3050	40	30-03-2021	31-03-2021	28	NVD	0	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
41	1071995	Male	1870	36	01-04-2021	29-04-2021	32	LSCS	3	6	9	NEGATIVE	POSITIVE	YES	NO	NO	YES	NO
42	10711167	Female	1600	33	01-04-2021	19-05-2022	25	LSCS	20	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
43	1072174	Male	2540	38	01-04-2021	16-04-2021	30	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
44	1073312	Male	1700	32	02-04-2021	28-05-2021	35	LSCS	13	6	8	NEGATIVE	POSITIVE	NO	YES	NO	YES	YES
45	1073589	Male	1560	31	03-04-2021	04-06-2021	34	LSCS	20	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
46	1075162	Male	980	31	04-04-2021	05-06-2021	29	LSCS	24	5	6	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
47	1077138	Male	1800	29	05-04-2021	16-06-2021	26	LSCS	33	5	8	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
48	1077938	Male	980	28	06-04-2021	26-06-2021	33	LSCS	39	8	9	NEGATIVE	POSITIVE	NO	NO	NO	NO	NO
49	1077941	Female	795	28	06-04-2021	26-04-2021	33	LSCS	39	7	9	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
50	1077989	Female	2050	36	08-04-2021	09-05-2021	34	NVD	12	8	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
51	1080165	Male	1780	33	08-04-2021	27-05-2021	30	LSCS	10	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
52	1081605	Male	2600	40	10-04-2021	08-04-2021	21	NVD	4	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
53	1082377	Male	2660	37	10-04-2021	03-05-2021	30	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
54	1084562	Male	1660	33	13-04-2021	28-05-2021	30	LSCS	20	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
55	1084971	Female	1920	33	13-04-2021	01-06-2021	27	LSCS	7	5	4	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
56	1085378	Male	3520	39	14-04-2021	18-04-2021	30	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
1	1038672	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2	1038624	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3	10379719	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4	1042031	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5	1020986	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6	1248935	YES	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
7	1050916	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
8	1051590	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
9	1052416	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
10	1055316	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
11	1054191	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
12	1055496	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
13	1055470	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
14	1055471	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
15	1056250	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
16	1058021	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
17	1057280	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
18	1057308	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
19	1059489	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
20	1032798	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
21	1112583	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
22	1229711	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
23	1063966	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
24	1029449	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
25	1036246	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
26	10336246	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
27	1018890	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
28	1046283	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
29	1030218	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
30	1030223	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
31	1037222	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
32	1037185	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
33	1066127	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
34	1068172	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
35	1069966	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
36	1016347	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
37	1045641	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
38	1069970	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
39	1060083	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
40	1071567	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
41	1071995	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
42	10711167	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
43	1072174	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
44	1073312	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
45	1073589	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
46	1075162	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
47	1077138	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
48	1077938	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
49	1077941	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
50	1077989	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
51	1080165	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
52	1081605	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
53	1082377	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
54	1084562	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
55	1084971	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
56	1085378	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
1	1038672	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
2	1038624	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
3	10379719	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
4	1042031	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
5	1020986	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
6	1248935	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
7	1050916	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
8	1051590	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
9	1052416	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
10	1055316	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
11	1054191	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
12	1055496	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
13	1055470	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
14	1055471	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
15	1056250	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
16	1058021	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
17	1057280	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
18	1057308	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
19	1059489	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
20	1032798	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
21	1112583	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
22	1229711	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
23	1063966	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
24	1029449	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
25	1036246	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
26	10336246	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
27	1018890	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
28	1046283	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
29	1030218	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
30	1030223	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
31	1037222	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	APROP
32	1037185	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
33	1066127	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
34	1068172	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
35	1069966	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
36	1016347	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
37	1045641	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
38	1069970	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
39	1060083	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
40	1071567	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
41	1071995	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
42	10711167	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
43	1072174	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
44	1073312	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
45	1073589	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
46	1075162	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
47	1077138	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
48	1077938	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
49	1077941	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
50	1077989	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	MACULAR HAEMORRHAGE L/E
51	1080165	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
52	1081605	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	RED L/E	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
53	1082377	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
54	1084562	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
55	1084971	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
56	1085378	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
57	1086145	Male	2020	38	16-04-2021	30-04-2021	30	NVD	2	8	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
58	1086999	Female	1670	33	18-04-2021	06-06-2021	24	LSCS	10	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
59	1087611	Male	1200	32	18-04-2021	13-04-2021	28	LSCS	15	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
60	1089991	Male	2200	38	19-04-2021	03-05-2021	30	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
61	1090261	Male	1400	29	19-04-2021	03-07-2021	38	LSCS	32	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
62	1089499	Female	960	27	19-04-2022	13-07-2021	26	LSCS	43	7	8	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
63	1092675	Male	1560	31	20-04-2021	16-06-2021	33	LSCS	34	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
64	1093124	Male	3400	40	21-04-2021	21-04-2022	28	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
65	1092996	Female	1980	33	22-04-2021	08-08-2021	33	LSCS	6	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
66	1093142	Male	1490	32	22-04-2021	18-06-2021	35	LSCS	15	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
67	1093730	Male	2000	34	23-04-2021	02-06-2021	33	LSCS	5	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
68	109924	Female	1000	27	24-04-2021	21-07-2021	27	LSCS	43	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
69	1094831	Male	580	23	24-04-2021	03-09-2021	38	NVD	76	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
70	1097624	Male	2520	33	25-04-2021	15-07-2021	26	NVD	16	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
71	1097891	Female	2700	39	26-04-2021	03-05-2021	32	NVD	3	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
72	1098991	Male	2450	40	26-04-2021	26-04-2021	26	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
73	1098999	Female	3400	39	26-04-2021	01-05-2022	27	NVD	2	9	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
74	1099122	Male	1300	34	27-04-2021	07-06-2021	34	LSCS	6	7	6	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
75	1098456	Male	1780	34	27-04-2021	07-06-2021	25	LSCS	5	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
76	1101264	Male	2200	36	28-04-2021	28-05-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
77	1107523	Male	2700	40	28-04-2021	28-04-2021	30	NVD	0	6	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
78	1107642	Female	1200	31	28-04-2021	30-06-2021	31	LSCS	21	5	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
79	1108641	Male	2100	37	29-04-2021	20-05-2021	25	LSCS	7	6	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	YES
80	1109231	Male	2520	40	29-04-2021	29-04-2021	34	NVD	0	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
81	1101098	Male	1080	29	01-05-2021	10-07-2021	30	LSCS	45	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
82	1101738	Male	1745	30	03-05-2021	12-07-2022	28	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
83	1102671	Male	1900	34	04-05-2021	15-06-2021	27	LSCS	4	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
84	1110114	Male	3080	40	06-05-2021	06-06-2021	30	NVD	1	6	7	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
85	1103836	Female	3180	40	06-05-2021	07-05-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
86	1103675	Female	3100	39	06-05-2021	12-05-2021	28	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
87	1104891	Male	1460	34	07-05-2021	18-06-2021	26	LSCS	12	6	8	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
88	1105170	Female	720	27	08-05-2021	07-08-2021	27	LSCS	50	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
89	1106779	Male	1080	30	11-05-2021	17-07-2021	29	LSCS	25	7	9	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
90	1109871	Female	2100	36	12-05-2021	09-06-2021	30	NVD	2	9	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
91	1109914	Male	2400	39	12-05-2021	08-07-2021	31	LSCS	2	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
92	1104972	Male	3100	36	13-05-2021	10-06-2021	30	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
93	1105474	Male	1580	31	13-05-2021	10-06-2021	26	LSCS	20	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
94	1120605	Female	1750	34	14-05-2021	26-06-2021	27	LSCS	10	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
95	1119866	Male	2300	36	14-05-2021	11-06-2021	26	LSCS	10	6	7	NEGATIVE	POSITIVE	YES	NO	NO	NO	YES
96	1119121	Male	2100	36	14-05-2021	11-06-2021	26	LSCS	10	7	6	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
97	1118416	Male	2200	37	15-05-2021	30-05-2021	26	LSCS	4	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
98	1110893	Male	1940	32	15-05-2021	10-07-2021	42	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
99	1109543	Female	1560	32	17-05-2021	08-07-2021	27	LSCS	10	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
100	1109871	Male	2320	39	18-05-2021	23-06-2021	27	NVD	2	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
101	1110544	Female	820	26	18-05-2021	24-08-2021	35	NVD	56	3	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
102	1110941	Male	1450	33	19-05-2021	07-07-2021	34	LSCS	7	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
103	1117960	Male	1620	32	20-05-2021	15-07-2021	28	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
104	1111180	Male	1500	29	20-05-2021	12-07-2021	26	LSCS	33	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
105	1111183	Male	1180	29	20-05-2021	12-07-2021	26	LSCS	33	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
106	1111541	Male	1660	34	21-05-2021	02-07-2021	31	LSCS	10	6	7	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
107	1111634	Female	1980	34	21-05-2021	02-07-2021	31	LSCS	5	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
108	1112404	Male	1950	31	23-05-2021	15-07-2021	27	LSCS	21	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
109	1112405	Male	1650	31	23-05-2021	15-07-2021	27	LSCS	24	5	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
110	1116219	Male	2600	39	24-05-2021	31-05-2021	28	NVD	2	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
111	1113288	Male	2800	35	24-05-2021	28-06-2021	26	LSCS	5	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
112	1118098	Female	2060	36	24-05-2021	19-07-2021	25	LSCS	4	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
57	1086145	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
58	1086999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
59	1087611	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
60	1089991	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
61	1090261	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
62	1089499	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
63	1092675	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
64	1093124	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
65	1092996	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
66	1093142	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
67	1093730	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
68	109924	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
69	1094831	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
70	1097624	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
71	1097891	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
72	1098991	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
73	1098999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
74	1099122	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
75	1098456	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
76	1101264	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
77	1107523	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
78	1107642	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
79	1108641	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
80	1109231	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
81	1101098	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
82	1101738	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
83	1102671	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
84	1110114	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
85	1103836	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
86	1103675	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
87	1104891	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
88	1105170	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
89	1106779	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
90	1109871	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
91	1109914	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
92	1104972	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
93	1105474	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
94	1120605	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
95	1119866	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
96	1119121	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
97	1118416	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
98	1110893	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
99	1109543	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
100	1109871	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
101	1110544	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
102	1110941	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
103	1117960	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
104	1111180	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
105	1111183	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
106	1111541	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
107	1111634	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
108	1112404	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
109	1112405	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
110	1116219	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
111	1113288	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
112	1118098	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
57	1086145	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
58	1086999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
59	1087611	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	ABNORMAL COLOR	CIRCULAR	ROP Z2S2
60	1089991	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
61	1090261	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
62	1089499	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
63	1092675	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
64	1093124	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
65	1092996	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
66	1093142	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
67	1093730	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
68	109924	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
69	1094831	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S3
70	1097624	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
71	1097891	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
72	1098991	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
73	1098999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
74	1099122	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
75	1098456	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
76	1101264	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
77	1107523	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
78	1107642	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
79	1108641	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
80	1109231	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
81	1101098	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
82	1101738	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
83	1102671	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
84	1110114	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	FEVR
85	1103836	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
86	1103675	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
87	1104891	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
88	1105170	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
89	1106779	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
90	1109871	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
91	1109914	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
92	1104972	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
93	1105474	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
94	1120605	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
95	1119866	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
96	1119121	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
97	1118416	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
98	1110893	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
99	1109543	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
100	1109871	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
101	1110544	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
102	1110941	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
103	1117960	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
104	1111180	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
105	1111183	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
106	1111541	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
107	1111634	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
108	1112404	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
109	1112405	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
110	1116219	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
111	1113288	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
112	1118098	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	VITREOUS HAEMORRHAGE

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
113	1118162	Male	1120	31	25-05-2021	27-07-2021	30	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
114	1118231	Male	1950	34	25-05-2021	26-06-2021	29	LSCS	6	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
115	1118812	Male	2070	36	26-05-2021	19-06-2021	24	NVD	2	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
116	1118961	Female	2500	37	26-05-2021	06-06-2021	28	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
117	1118999	Female	1700	32	27-05-2021	22-07-2021	31	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
118	1119011	Male	1500	33	27-05-2021	15-07-2021	28	LSCS	7	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
119	1119214	Male	2100	36	28-05-2021	23-06-2021	27	LSCS	6	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
120	1119542	Male	2950	40	29-05-2021	29-05-2021	25	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
121	1119812	Male	1280	31	02-06-2021	05-08-2021	28	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
122	111999	Female	1800	34	04-06-2021	16-07-2021	28	LSCS	7	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
123	1119619	Female	2000	32	06-06-2021	27-07-2021	26	LSCS	8	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
124	1118997	Female	1720	32	06-06-2021	01-08-2021	30	LSCS	13	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
125	1116261	Male	940	29	02-06-2021	15-08-2021	28	LSCS	30	6	7	POSITIVE	NEGATIVE	YES	YES	NO	YES	YES
126	1119700	Female	1370	30	08-06-2021	17-08-2021	29	LSCS	29	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
127	1118198	Female	1460	33	04-06-2021	21-07-2021	29	LSCS	7	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
128	1123816	Male	1460	31	11-06-2021	03-07-2021	31	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
129	1122243	Female	950	29	14-06-2021	25-08-2021	27	LSCS	34	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
130	1123956	Male	2060	35	16-06-2021	21-06-2021	29	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
131	1123972	Female	2000	35	16-06-2021	21-06-2021	29	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
132	1324573	Female	1700	34	16-06-2021	28-06-2021	28	LSCS	2	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
133	1324575	Male	1890	34	16-06-2021	28-06-2021	28	LSCS	4	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
134	1324603	Male	1600	34	16-06-2021	28-06-2021	30	LSCS	6	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
135	1325794	Male	2500	39	18-06-2021	25-06-2021	24	NVD	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
136	1124461	Female	1740	31	19-06-2021	18-08-2021	26	LSCS	18	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
137	1325879	Male	2820	32	19-06-2021	15-08-2021	28	LSCS	2	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
138	13225880	Male	1800	32	19-06-2021	15-08-2021	28	LSCS	2	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
139	1122945	Female	1600	34	15-06-2021	21-07-2021	30	LSCS	4	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
140	1122947	Female	1800	34	15-06-2021	21-07-2021	30	LSCS	4	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
141	1324317	Female	3100	35	20-06-2021	25-07-2021	25	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
142	1327348	Male	2980	39	21-06-2021	28-06-2021	30	NVD	1	8	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
143	1326885	Male	2000	35	21-06-2021	26-07-2021	24	LSCS	1	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
144	1123919	Male	800	32	22-05-2021	25-07-2021	28	LSCS	14	6	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
145	1322717	Male	2570	36	22-06-2021	20-07-2021	32	LSCS	3	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
146	1328509	Male	1790	33	23-06-2021	12-08-2021	30	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
147	1328723	Male	1900	33	23-06-2021	12-08-2021	31	LSCS	8	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
148	1127127	Female	2420	37	24-06-2021	11-07-2021	29	LSCS	7	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	YES
149	1127202	Male	660	27	24-06-2021	22-09-2021	31	LSCS	48	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
150	1127471	Male	1800	33	25-06-2021	12-08-2021	33	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
151	1127477	Female	1860	33	25-06-2021	12-08-2021	33	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
152	1330156	Male	1800	31	25-06-2021	28-08-2021	40	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
153	1330186	Male	2400	39	26-06-2021	03-07-2021	24	LSCS	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
154	1330217	Male	900	27	26-06-2021	27-09-2021	27	LSCS	42	5	6	POSITIVE	NEGATIVE	YES	YES	NO	YES	YES
155	1328424	Female	2890	38	26-06-2021	10-07-2021	28	LSCS	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
156	1330738	Male	1700	33	27-06-2021	13-08-2021	27	LSCS	10	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
157	1331447	Male	1100	29	28-06-2021	13-09-2021	28	LSCS	28	6	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
158	1331734	Male	1820	33	28-06-2021	14-08-2021	29	LSCS	10	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
159	1331865	Male	1520	31	29-06-2021	02-09-2021	30	LSCS	14	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
160	1332924	Female	2940	39	30-06-2021	06-07-2021	27	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
161	1133499	Female	2480	38	01-07-2021	08-07-2021	31	NVD	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
162	1130749	Female	2020	31	02-07-2021	31-08-2021	26	LSCS	18	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
163	1131686	Male	2250	32	03-07-2021	22-08-2021	24	LSCS	7	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
164	1131477	Male	1640	31	03-07-2021	01-09-2021	27	LSCS	21	6	7	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
165	1131601	Male	3200	37	03-07-2021	17-07-2021	29	LSCS	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
166	1132323	Female	2700	36	05-07-2021	30-07-2021	31	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
167	1150481	Male	2620	36	05-07-2021	30-07-2021	30	NVD	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
168	1135984	Male	2300	37	05-07-2021	19-07-2021	30	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
113	1118162	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
114	1118231	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
115	1118812	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
116	1118961	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
117	1118999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
118	1119011	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
119	1119214	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
120	1119542	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
121	1119812	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
122	111999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
123	1119619	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
124	1118997	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
125	1116261	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
126	1119700	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
127	1118198	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
128	1123816	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
129	1122243	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
130	1123956	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
131	1123972	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
132	1324573	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
133	1324575	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
134	1324603	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
135	1325794	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
136	1124461	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
137	1325879	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
138	13225880	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
139	1122945	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
140	1122947	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
141	1324317	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
142	1327348	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
143	1326885	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
144	1123919	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
145	1322717	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
146	1328509	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
147	1328723	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
148	1127127	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
149	1127202	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
150	1127471	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
151	1127477	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
152	1330156	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
153	1330186	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
154	1330217	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
155	1328424	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
156	1330738	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
157	1331447	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
158	1331734	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
159	1331865	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
160	1332924	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
161	1133499	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
162	1130749	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
163	1131686	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
164	1131477	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
165	1131601	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
166	1132323	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
167	1150481	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
168	1135984	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
113	1118162	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
114	1118231	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
115	1118812	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
116	1118961	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
117	1118999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
118	1119011	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
119	1119214	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
120	1119542	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
121	1119812	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
122	111999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
123	1119619	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
124	1118997	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
125	1116261	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
126	1119700	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
127	1118198	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
128	1123816	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
129	1122243	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
130	1123956	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
131	1123972	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
132	1324573	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
133	1324575	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
134	1324603	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
135	1325794	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES R/E
136	1124461	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
137	1325879	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
138	13225880	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
139	1122945	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
140	1122947	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
141	1324317	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
142	1327348	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
143	1326885	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
144	1123919	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
145	1322717	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
146	1328509	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
147	1328723	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
148	1127127	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
149	1127202	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
150	1127471	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
151	1127477	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
152	1330156	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
153	1330186	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
154	1330217	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
155	1328424	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
156	1330738	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
157	1331447	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
158	1331734	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
159	1331865	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
160	1332924	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
161	1133499	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
162	1130749	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
163	1131686	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
164	1131477	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
165	1131601	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
166	1132323	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
167	1150481	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
168	1135984	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
169	1143278	Female	2500	39	06-07-2021	13-07-2021	31	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
170	1187817	Male	1600	33	06-07-2021	04-09-2021	28	LSCS	7	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
171	1132463	Female	2600	38	06-07-2021	17-07-2021	26	NVD	4	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
172	1133564	Male	1380	31	08-07-2021	06-09-2021	28	LSCS	21	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
173	1133840	Female	1840	35	08-07-2021	11-08-2021	24	LSCS	7	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
174	1136425	Female	3250	38	08-07-2021	22-07-2021	27	NVD	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
175	1134337	Female	3010	37	09-07-2021	26-07-2021	34	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
176	1164411	Male	1640	33	10-07-2021	29-09-2021	34	LSCS	7	5	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
177	1135131	Male	1625	30	10-07-2021	15-09-2021	25	LSCS	28	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
178	1135984	Female	2720	35	13-07-2021	11-08-2021	27	NVD	3	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
179	1147901	Male	2000	38	14-07-2021	28-07-2021	28	NVD	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
180	1342178	Male	3000	38	15-07-2021	29-07-2021	28	NVD	7	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	YES
181	1342221	Male	1840	34	15-07-2021	27-09-2021	29	NVD	5	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
182	1166723	Female	1300	32	16-07-2021	10-08-2021	30	LSCS	14	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
183	1138300	Male	1930	36	16-07-2021	10-08-2021	32	LSCS	2	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
184	1138354	Female	1980	35	17-07-2021	17-08-2021	35	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
185	1140080	Male	2700	34	17-07-2021	23-08-2021	34	NVD	4	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
186	1138431	Female	2485	32	17-07-2021	07-09-2021	32	LSCS	10	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
187	1138858	Male	790	30	18-09-2021	27-09-2021	27	LSCS	28	5	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
188	1139654	Female	1605	32	19-07-2021	28-09-2021	30	LSCS	14	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
189	1345230	Male	1680	33	20-07-2021	10-09-2021	34	LSCS	7	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
190	1345200	Male	970	29	21-07-2021	11-10-2021	25	LSCS	35	7	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
191	1346109	Male	2000	34	22-07-2021	04-09-2021	27	LSCS	32	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
192	1141762	Female	1100	30	23-07-2021	28-09-2021	30	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
193	1141812	Male	1020	28	23-07-2021	15-10-2021	28	LSCS	42	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
194	1142388	Female	2500	36	24-07-2021	15-08-2021	29	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
195	1143789	Male	3400	39	25-07-2021	02-08-2021	26	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
196	1348412	Male	1020	30	26-07-2021	06-10-2021	28	LSCS	30	8	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
197	1345084	Male	2100	35	26-07-2021	01-09-2021	26	LSCS	24	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
198	1348768	Male	780	28	26-07-2021	20-10-2021	28	LSCS	58	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
199	1348770	Male	890	28	26-07-2021	20-10-2021	28	LSCS	56	6	8	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
200	1162102	Male	2350	37	27-07-2021	18-08-2021	27	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
201	1144428	Male	1700	32	28-07-2021	21-09-2021	25	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
202	1158092	Male	2000	39	31-07-2021	07-08-2021	29	NVD	2	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
203	1146250	Male	1600	32	31-07-2021	22-09-2021	31	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
204	1146262	Female	1420	28	31-07-2021	17-10-2021	28	LSCS	49	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
205	1146018	Female	3340	38	31-07-2021	14-08-2021	26	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
206	1147033	Male	1180	29	02-08-2021	30-10-2021	33	LSCS	19	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
207	1147037	Female	1380	29	02-08-2021	30-10-2021	33	LSCS	20	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
208	1148510	Male	2900	35	05-08-2021	06-09-2021	26	NVD	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
209	1173265	Male	1400	30	05-08-2021	12-10-2021	28	LSCS	35	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
210	1149073	Male	3300	39	05-08-2021	12-08-2021	33	FVD	5	6	7	NEGATIVE	POSITIVE	NO	YES	NO	NO	YES
211	1149996	Male	1260	31	07-08-2021	09-10-2021	28	NVD	22	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
212	1150004	Male	1280	31	07-08-2021	09-10-2021	28	NVD	25	5	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
213	1153343	Female	1250	31	07-08-2021	08-10-2021	29	LSCS	20	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
214	1133358	Female	1500	31	07-08-2021	08-10-2021	34	LSCS	21	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
215	1167567	Female	1750	32	08-08-2021	20-09-2021	24	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
216	1192119	Female	1500	32	08-08-2021	20-09-2021	27	LSCS	16	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
217	1151445	Male	4150	38	09-08-2021	19-08-2021	32	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
218	1151065	Female	2020	32	09-08-2021	21-09-2021	24	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
219	1199498	Female	3235	39	11-08-2021	18-08-2021	26	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
220	1173901	Male	2300	35	11-08-2021	16-09-2021	30	NVD	2	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
221	1153698	Male	2310	35	13-08-2021	16-09-2021	23	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
222	11730672	Male	2440	36	14-08-2021	11-10-2021	31	LSCS	7	8	10	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
223	1155027	Male	1040	27	15-08-2021	14-11-2021	32	NVD	42	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
224	1155716	Male	3100	38	16-08-2021	30-08-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
169	1143278	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
170	1187817	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
171	1132463	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
172	1133564	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
173	1133840	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
174	1136425	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
175	1134337	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
176	1164411	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
177	1135131	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
178	1135984	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
179	1147901	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
180	1342178	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
181	1342221	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
182	1166723	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
183	1138300	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
184	1138354	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
185	1140080	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
186	1138431	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
187	1138858	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
188	1139654	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
189	1345230	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
190	1345200	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
191	1346109	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
192	1141762	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
193	1141812	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
194	1142388	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
195	1143789	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
196	1348412	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
197	1345084	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
198	1348768	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
199	1348770	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
200	1162102	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
201	1144428	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
202	1158092	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
203	1146250	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
204	1146262	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
205	1146018	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
206	1147033	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
207	1147037	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
208	1148510	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
209	1173265	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
210	1149073	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
211	1149996	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
212	1150004	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
213	1153343	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
214	1133358	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
215	1167567	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
216	1192119	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
217	1151445	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
218	1151065	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
219	1199498	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
220	1173901	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
221	1153698	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
222	11730672	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
223	1155027	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
224	1155716	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
169	1143278	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
170	1187817	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
171	1132463	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
172	1133564	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
173	1133840	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
174	1136425	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
175	1134337	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
176	1164411	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
177	1135131	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
178	1135984	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
179	1147901	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
180	1342178	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	RED L/E	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
181	1342221	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
182	1166723	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
183	1138300	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
184	1138354	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
185	1140080	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
186	1138431	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
187	1138858	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
188	1139654	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
189	1345230	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
190	1345200	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
191	1346109	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
192	1141762	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
193	1141812	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
194	1142388	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
195	1143789	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
196	1348412	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
197	1345084	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
198	1348768	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
199	1348770	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
200	1162102	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
201	1144428	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
202	1158092	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
203	1146250	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
204	1146262	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
205	1146018	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
206	1147033	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
207	1147037	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
208	1148510	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
209	1173265	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
210	1149073	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES R/E
211	1149996	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
212	1150004	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
213	1153343	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
214	1133358	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z1S2
215	1167567	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
216	1192119	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
217	1151445	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
218	1151065	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
219	1199498	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
220	1173901	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
221	1153698	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
222	11730672	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
223	1155027	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
224	1155716	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
225	1155940	Male	3300	38	17-08-2021	30-08-2021	35	LSCS	4	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
226	1156066	Male	3420	38	17-08-2021	27-08-2021	27	LSCS	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
227	1156749	Female	1470	40	17-08-2021	18-08-2021	29	LSCS	3	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
228	1166366	Male	2800	39	17-08-2021	18-08-2021	30	LSCS	2	9	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
229	1157251	Female	2640	38	19-08-2021	03-09-2021	28	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
230	1157449	Male	2140	34	19-08-2021	25-08-2021	29	LSCS	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
231	1157471	Male	1760	33	19-08-2021	28-09-2021	32	LSCS	5	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
232	1157477	Male	2000	33	19-08-2021	28-09-2021	32	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
233	1222867	Male	2500	39	21-08-2021	28-08-2021	26	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
234	1173922	Female	2880	39	21-08-2021	26-08-2021	32	NVD	4	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
235	1162828	Female	2400	40	23-08-2021	24-08-2021	34	NVD	3	9	10	NEGATIVE	POSITIVE	NO	NO	NO	NO	NO
236	1162898	Male	1280	32	23-08-2021	19-10-2021	29	LSCS	15	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
237	1162732	Male	2350	39	24-08-2021	01-09-2021	28	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
238	1165421	Male	1560	32	25-08-2021	21-10-2021	29	LSCS	14	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
239	1171292	Male	3000	38	28-08-2021	18-09-2021	27	NVD	2	6	7	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
240	1163482	Male	1340	32	29-08-2021	13-09-2021	26	LSCS	14	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
241	1163789	Female	1960	34	30-08-2021	03-09-2021	28	LSCS	5	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
242	1164004	Female	2990	37	30-08-2021	03-09-2021	28	NVD	3	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
243	1166789	Male	3400	39	30-08-2021	07-09-2021	29	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
244	1166999	Female	2490	40	30-08-2021	30-08-2021	28	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
245	1166221	Female	980	26	02-09-2021	06-12-2021	31	NVD	55	6	8	NEGATIVE	POSITIVE	YES	NO	NO	YES	YES
246	1176555	Male	2550	39	03-09-2021	10-09-2021	24	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
247	1169178	Male	2400	33	07-09-2021	23-10-2021	31	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
248	1169920	Male	2300	33	08-09-2021	24-10-2021	31	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
249	1170466	Male	1760	30	09-09-2021	12-11-2021	25	LSCS	28	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
250	1178167	Female	2750	38	09-09-2021	22-09-2021	28	LSCS	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
251	1170204	Female	2130	35	09-09-2021	13-10-2021	30	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
252	1189802	Male	1900	33	09-09-2021	23-10-2021	29	LSCS	7	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
253	1187184	Male	1200	33	09-09-2021	23-10-2021	29	LSCS	9	8	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
254	1170928	Male	1400	33	10-09-2021	25-10-2021	27	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
255	1172722	Male	1080	27	13-09-2021	14-12-2021	30	LSCS	49	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
256	1172724	Male	960	27	13-09-2021	14-12-2021	30	LSCS	50	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
257	1172672	Female	1400	32	13-09-2021	12-10-2021	29	LSCS	14	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
258	1172677	Male	1330	32	13-09-2021	12-10-2021	29	LSCS	13	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
259	1172680	Female	1400	32	13-09-2021	12-10-2021	29	LSCS	14	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
260	1189859	Female	1570	39	13-09-2021	20-09-2021	26	LSCS	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
261	1190591	Male	2500	36	14-09-2021	12-10-2021	29	LSCS	2	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
262	1180718	Female	1900	40	15-09-2021	16-09-2021	30	LSCS	1	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
263	1178271	Male	1500	40	16-09-2021	16-09-2021	27	NVD	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
264	1178563	Male	1040	28	18-09-2021	13-12-2021	26	LSCS	42	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
265	1175607	Male	970	28	19-09-2021	14-12-2021	29	LSCS	45	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
266	1178991	Female	1690	34	19-09-2021	30-10-2021	27	LSCS	7	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
267	1178999	Male	2200	38	20-09-2021	04-10-2021	29	NVD	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
268	1176903	Male	2640	37	20-09-2021	11-10-2021	30	LSCS	2	7	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
269	1176265	Female	3165	38	20-09-2021	11-10-2021	32	LSCS	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
270	1176838	Female	2990	34	20-09-2021	30-10-2021	36	LSCS	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
271	1177012	Female	3125	38	20-09-2021	03-10-2021	34	LSCS	3	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
272	1177486	Male	2760	36	21-09-2021	19-10-2021	31	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
273	1177614	Female	1910	34	21-09-2021	03-11-2021	46	LSCS	7	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
274	1177619	Male	2240	34	21-09-2021	03-11-2021	46	LSCS	6	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
275	1178620	Male	2300	36	22-09-2021	20-10-2021	25	LSCS	2	5	6	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
276	1178621	Male	1900	36	22-09-2021	20-10-2021	25	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
277	1180417	Female	1740	36	26-09-2021	30-09-2021	29	LSCS	3	7	10	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
278	1180480	Female	3300	37	26-09-2021	26-06-2021	27	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
279	1180824	Male	1900	33	27-09-2021	10-01-2021	30	LSCS	40	6	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
280	1181541	Male	2560	39	28-09-2021	05-10-2021	23	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
225	1155940	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
226	1156066	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
227	1156749	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
228	1166366	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
229	1157251	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
230	1157449	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
231	1157471	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
232	1157477	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
233	1222867	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
234	1173922	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
235	1162828	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
236	1162898	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
237	1162732	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
238	1165421	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
239	1171292	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
240	1163482	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
241	1163789	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
242	1164004	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
243	1166789	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
244	1166999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
245	1166221	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
246	1176555	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
247	1169178	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
248	1169920	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
249	1170466	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
250	1178167	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
251	1170204	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
252	1189802	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
253	1187184	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
254	1170928	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
255	1172722	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
256	1172724	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
257	1172672	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
258	1172677	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
259	1172680	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
260	1189859	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
261	1190591	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
262	1180718	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
263	1178271	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
264	1178563	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
265	1175607	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
266	1178991	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
267	1178999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
268	1176903	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
269	1176265	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
270	1176838	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
271	1177012	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
272	1177486	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
273	1177614	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
274	1177619	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
275	1178620	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
276	1178621	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
277	1180417	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
278	1180480	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
279	1180824	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
280	1181541	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
225	1155940	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
226	1156066	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
227	1156749	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
228	1166366	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
229	1157251	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	MACULAR HAEMORRHAGE L/E
230	1157449	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
231	1157471	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
232	1157477	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
233	1222867	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
234	1173922	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
235	1162828	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
236	1162898	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	OPAQUE L/E	NORMAL	CIRCULAR	ROP Z2S1
237	1162732	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
238	1165421	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
239	1171292	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	VASCULAR OCCLUSION L/E
240	1163482	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
241	1163789	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
242	1164004	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
243	1166789	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
244	1166999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
245	1166221	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
246	1176555	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
247	1169178	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
248	1169920	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
249	1170466	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
250	1178167	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
251	1170204	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
252	1189802	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z3S1
253	1187184	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z3S1
254	1170928	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
255	1172722	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
256	1172724	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
257	1172672	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
258	1172677	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
259	1172680	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
260	1189859	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
261	1190591	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
262	1180718	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
263	1178271	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
264	1178563	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
265	1175607	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
266	1178991	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
267	1178999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
268	1176903	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
269	1176265	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
270	1176838	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
271	1177012	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
272	1177486	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
273	1177614	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
274	1177619	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
275	1178620	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
276	1178621	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
277	1180417	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
278	1180480	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
279	1180824	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
280	1181541	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
281	1181965	Male	2800	39	28-09-2021	05-10-2021	29	FVD	2	6	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
282	1182881	Male	2080	33	30-09-2021	19-11-2021	28	LSCS	26	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
283	1182711	Female	1940	33	30-09-2021	14-11-2021	25	LSCS	10	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
284	1183145	Male	2700	39	30-09-2021	04-10-2021	29	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
285	1183911	Male	1450	34	30-09-2021	15-11-2021	28	LSCS	6	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
286	1183987	Male	2100	38	30-09-2021	14-10-2021	26	NVD	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
287	1183999	Female	2670	39	30-09-2021	07-10-2021	29	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
288	1178597	Male	2980	37	23-09-2021	15-10-2021	32	LSCS	2	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
289	1181405	Male	2700	35	28-09-2021	29-10-2021	34	LSCS	2	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
290	1184039	Female	3520	39	01-10-2021	07-10-2021	29	LSCS	2	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
291	1184289	Male	2940	38	02-10-2021	16-10-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
292	1185329	Male	640	29	04-10-2021	17-12-2021	32	LSCS	35	5	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
293	1185474	Male	980	30	04-10-2021	13-12-2021	36	LSCS	28	6	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
294	1185565	Male	1800	34	04-10-2021	11-11-2021	34	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
295	1185570	Female	2700	32	05-10-2021	07-11-2021	28	NVD	4	9	10	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
296	1196152	Female	2340	38	05-10-2021	19-10-2021	27	LSCS	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
297	1196142	Male	2000	39	05-10-2021	12-10-2021	25	NVD	3	6	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
298	1186347	Female	2760	39	06-10-2021	13-10-2021	29	NVD	3	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
299	1187321	Male	1580	33	07-10-2021	01-12-2021	33	LSCS	8	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
300	1187322	Male	1980	33	07-10-2021	01-12-2021	33	LSCS	7	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
301	1200237	Male	2100	39	08-10-2021	15-10-2021	25	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
302	1200238	Male	2300	39	08-10-2021	15-10-2021	25	LSCS	4	6	7	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
303	1212919	Male	2000	34	10-10-2021	17-11-2021	28	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
304	1212990	Male	1400	33	10-10-2021	25-11-2021	27	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
305	1190062	Female	2110	35	11-10-2021	23-10-2021	29	LSCS	3	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
306	1190444	Female	2340	34	13-10-2021	20-11-2021	29	LSCS	3	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
307	1191567	Male	1700	33	14-10-2021	01-12-2021	27	LSCS	7	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
308	1192394	Male	1600	37	16-10-2021	03-11-2021	29	LSCS	2	6	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
309	1192258	Male	2480	34	16-10-2021	25-11-2021	26	LSCS	2	7	10	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
310	1192243	Male	2035	34	16-10-2021	25-11-2021	26	LSCS	3	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
311	1192972	Male	1390	31	18-10-2021	20-12-2021	30	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
312	1192972	Male	1480	31	18-10-2021	20-12-2021	30	LSCS	20	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
313	1193383	Male	1780	33	18-10-2021	07-12-2021	29	LSCS	7	8	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
314	1193399	Female	1490	33	19-10-2021	08-12-2021	27	LSCS	8	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
315	1193377	Female	1900	36	19-10-2021	17-11-2021	26	NVD	2	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
316	1193475	Male	2100	38	19-10-2021	03-11-2021	27	LSCS	1	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
317	1193862	Male	980	33	19-10-2021	04-12-2021	26	LSCS	10	6	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
318	1187322	Male	2340	39	20-10-2021	27-10-2021	30	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
319	1195157	Female	3540	40	21-10-2021	17-10-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
320	1195178	Male	2500	40	21-10-2021	22-10-2021	29	NVD	2	6	9	NEGATIVE	NEGATIVE	NO	YES	NO	NO	NO
321	1196315	Female	1680	33	23-10-2021	05-12-2021	32	LSCS	7	5	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
322	1197334	Female	2010	37	25-10-2021	16-11-2021	31	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
323	1197612	Female	2300	40	26-10-2021	27-10-2021	31	NVD	1	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
324	1197220	Male	1910	33	26-10-2021	14-12-2021	26	LSCS	8	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	NO	YES
325	1197942	Female	2900	39	26-10-2021	03-11-2021	27	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
326	1197839	Female	3000	33	26-10-2021	08-12-2021	32	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
327	1198467	Female	1940	34	27-10-2021	09-12-2021	27	LSCS	2	9	10	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
328	1198468	Female	1700	34	27-10-2021	09-12-2021	27	LSCS	4	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
329	1196701	Female	1880	37	25-10-2021	12-11-2021	29	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
330	1198410	Female	2485	37	27-10-2021	17-11-2021	22	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
331	1199750	Male	1060	27	29-10-2021	29-01-2022	25	LSCS	42	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
332	1199751	Female	915	27	29-10-2021	29-01-2022	25	LSCS	42	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
333	1237255	Female	1400	34	29-10-2021	11-12-2021	29	LSCS	3	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	NO
334	1237257	Male	2000	37	30-10-2021	21-11-2021	27	LSCS	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
335	1237875	Male	1480	37	30-10-2021	21-11-2021	26	NVD	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
336	1238890	Female	1200	37	30-10-2021	20-11-2021	29	LSCS	7	7	8	NEGATIVE	POSITIVE	NO	NO	NO	YES	YES

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
281	1181965	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
282	1182881	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
283	1182711	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
284	1183145	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
285	1183911	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
286	1183987	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
287	1183999	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
288	1178597	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
289	1181405	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
290	1184039	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
291	1184289	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
292	1185329	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
293	1185474	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
294	1185565	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
295	1185570	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
296	1196152	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
297	1196142	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
298	1186347	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
299	1187321	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
300	1187322	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
301	1200237	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
302	1200238	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
303	1212919	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
304	1212990	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
305	1190062	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
306	1190444	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
307	1191567	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
308	1192394	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
309	1192258	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
310	1192243	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
311	1192972	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
312	1192972	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
313	1193383	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
314	1193399	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
315	1193377	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
316	1193475	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
317	1193862	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
318	1187322	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
319	1195157	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
320	1195178	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
321	1196315	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
322	1197334	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
323	1197612	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
324	1197220	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
325	1197942	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
326	1197839	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
327	1198467	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
328	1198468	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
329	1196701	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
330	1198410	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
331	1199750	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
332	1199751	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
333	1237255	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
334	1237257	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
335	1237875	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
336	1238890	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
281	1181965	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
282	1182881	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
283	1182711	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
284	1183145	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
285	1183911	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	RED INFLAMED	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
286	1183987	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
287	1183999	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
288	1178597	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
289	1181405	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
290	1184039	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
291	1184289	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
292	1185329	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
293	1185474	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
294	1185565	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
295	1185570	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
296	1196152	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
297	1196142	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
298	1186347	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGE L/E
299	1187321	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
300	1187322	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
301	1200237	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
302	1200238	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
303	1212919	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
304	1212990	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
305	1190062	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
306	1190444	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
307	1191567	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
308	1192394	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
309	1192258	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
310	1192243	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
311	1192972	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
312	1192972	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
313	1193383	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
314	1193399	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
315	1193377	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
316	1193475	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
317	1193862	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
318	1187322	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
319	1195157	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
320	1195178	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
321	1196315	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
322	1197334	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
323	1197612	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
324	1197220	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
325	1197942	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
326	1197839	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
327	1198467	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
328	1198468	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
329	1196701	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
330	1198410	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
331	1199750	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
332	1199751	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
333	1237255	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
334	1237257	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
335	1237875	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
336	1238890	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
337	1238891	Female	1340	37	30-10-2021	20-11-2021	29	LSCS	4	6	7	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
338	1239198	Male	1900	38	30-10-2021	13-11-2021	32	NVD	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
339	1239199	Male	2300	39	30-10-2021	07-11-2021	31	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
340	1239256	Male	2560	40	30-10-2021	31-10-2021	25	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
341	1238963	Female	2300	39	01-11-2021	08-11-2021	27	NVD	4	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
342	1218063	Male	2100	38	01-11-2021	15-11-2021	23	NVD	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
343	1213395	Male	1500	33	01-11-2021	20-12-2021	29	LSCS	7	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
344	1201605	Male	1520	29	03-11-2021	15-01-2021	30	LSCS	28	7	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
345	1202313	Male	3240	38	06-11-2021	18-11-2021	28	NVD	25	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
346	1202476	Female	2400	38	06-11-2021	18-11-2021	36	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
347	1297873	Male	2680	37	07-11-2021	24-11-2021	28	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
348	1297887	Female	2280	37	07-11-2021	24-11-2021	28	LSCS	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
349	1298913	Female	3250	39	08-11-2021	17-11-2021	25	LSCS	2	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
350	1216873	Male	3500	38	10-11-2021	24-11-2021	28	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
351	1206697	Female	1480	35	12-11-2021	14-12-2021	27	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
352	1206698	Female	1460	35	12-11-2021	14-12-2021	27	LSCS	4	8	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
353	1208289	Female	1720	35	15-11-2021	17-12-2021	28	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
354	1243646	Male	1600	32	15-11-2021	11-01-2021	27	LSCS	14	6	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
355	1208469	Female	2060	34	16-11-2021	25-12-2021	28	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
356	1208894	Male	1680	31	16-11-2021	16-01-2022	27	LSCS	21	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
357	1209515	Female	2700	38	17-11-2021	01-12-2021	34	NVD	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
358	1209483	Male	1970	35	17-11-2021	22-12-2021	27	LSCS	1	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
359	1209323	Male	1760	32	17-11-2021	14-01-2021	25	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
360	1209577	Male	3700	38	18-11-2021	28-11-2021	34	NVD	2	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
361	1209806	Male	1720	31	18-11-2021	20-01-2022	26	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
362	1238965	Male	1500	32	18-11-2021	14-01-2021	27	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
363	1210142	Female	2420	36	19-11-2021	17-12-2021	29	LSCS	2	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
364	1233878	Male	2915	40	20-11-2021	01-01-2022	30	NVD	1	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
365	1211282	Male	2500	38	21-11-2021	05-12-2021	28	LSCS	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
366	1211957	Female	1820	31	22-11-2021	25-01-2022	26	LSCS	21	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
367	1228433	Female	600	26	23-11-2021	28-02-2022	29	LSCS	57	6	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
368	1212757	Female	1310	28	24-11-2021	11-02-2022	28	LSCS	42	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
369	1213600	Male	1340	29	25-11-2021	12-02-2022	25	LSCS	34	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
370	1213676	Male	1580	32	25-11-2021	22-01-2022	34	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NN	NO	YES	NO
371	1227685	Female	3180	40	26-11-2021	27-11-2021	32	NVD	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
372	1215072	Female	2100	38	27-11-2021	11-12-2021	24	LSCS	4	7	7	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
373	1216786	Female	3460	40	27-11-2021	28-11-2021	26	NVD	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
374	1249827	Female	1750	34	28-11-2021	10-01-2022	29	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
375	1215104	Male	2000	38	28-11-2021	12-12-2021	30	LSCS	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
376	1215210	Female	1850	34	28-11-2021	10-01-2022	25	NVD	5	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
377	1215671	Female	1220	29	29-11-2021	16-02-2022	29	LSCS	28	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
378	1215680	Male	775	29	29-11-2021	16-02-2022	29	LSCS	30	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
379	1215977	Male	2900	39	30-11-2021	07-12-2021	38	LSCS	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
380	1217680	Male	2500	40	30-11-2021	01-12-2021	31	NVD	1	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
381	1217146	Female	1670	33	01-12-2021	18-01-2022	24	LSCS	7	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
382	1218066	Male	1560	32	03-12-2021	26-01-2022	28	LSCS	14	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
383	1218505	Male	560	29	04-12-2021	17-02-2022	29	LSCS	30	5	6	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
384	1218958	Female	1450	32	05-12-2021	28-01-2022	34	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
385	1218937	Female	1900	37	05-12-2021	26-12-2021	25	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
386	1219002	Male	1080	32	05-12-2021	28-01-2022	31	LSCS	15	8	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
387	1219054	Female	1460	31	05-12-2021	07-02-2022	27	LSCS	21	6	7	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
388	1219055	Male	1240	31	05-12-2021	07-02-2022	27	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
389	1220206	Female	1120	29	07-12-2021	20-02-2022	30	LSCS	30	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
390	1221439	Male	1600	33	09-12-2021	07-02-2022	31	LSCS	7	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
391	1221765	Male	2100	38	10-12-2021	24-12-2021	25	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
392	1224531	Female	2200	38	11-12-2021	25-12-2021	27	LSCS	1	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
337	1238891	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
338	1239198	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
339	1239199	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
340	1239256	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
341	1238963	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
342	1218063	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
343	1213395	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
344	1201605	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
345	1202313	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
346	1202476	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
347	1297873	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
348	1297887	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
349	1298913	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
350	1216873	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
351	1206697	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
352	1206698	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
353	1208289	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
354	1243646	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
355	1208469	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
356	1208894	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
357	1209515	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
358	1209483	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
359	1209323	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
360	1209577	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
361	1209806	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
362	1238965	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
363	1210142	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
364	1233878	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
365	1211282	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
366	1211957	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
367	1228433	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
368	1212757	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
369	1213600	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
370	1213676	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
371	1227685	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
372	1215072	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
373	1216786	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
374	1249827	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
375	1215104	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
376	1215210	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
377	1215671	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
378	1215680	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
379	1215977	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
380	1217680	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
381	1217146	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
382	1218066	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
383	1218505	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
384	1218958	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
385	1218937	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
386	1219002	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
387	1219054	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
388	1219055	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
389	1220206	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
390	1221439	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
391	1221765	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
392	1224531	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
337	1238891	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
338	1239198	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
339	1239199	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
340	1239256	NONE	NORMAL	NORMAL	NORMAL	ICANTHAL FO	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
341	1238963	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
342	1218063	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
343	1213395	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
344	1201605	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
345	1202313	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
346	1202476	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
347	1297873	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
348	1297887	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
349	1298913	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
350	1216873	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
351	1206697	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
352	1206698	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
353	1208289	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
354	1243646	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
355	1208469	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
356	1208894	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
357	1209515	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES R/E
358	1209483	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
359	1209323	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
360	1209577	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
361	1209806	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
362	1238965	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
363	1210142	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
364	1233878	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
365	1211282	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
366	1211957	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
367	1228433	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	APROP
368	1212757	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
369	1213600	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
370	1213676	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
371	1227685	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
372	1215072	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
373	1216786	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
374	1249827	NONE	NORMAL	NORMAL	DROOPY	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z3S1
375	1215104	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
376	1215210	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
377	1215671	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
378	1215680	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
379	1215977	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
380	1217680	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
381	1217146	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
382	1218066	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
383	1218505	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
384	1218958	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
385	1218937	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
386	1219002	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
387	1219054	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
388	1219055	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
389	1220206	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
390	1221439	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
391	1221765	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
392	1224531	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGE L/E

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
393	1224539	Male	1300	31	11-12-2021	04-02-2022	27	LSCS	22	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
394	1223375	Male	970	31	12-12-2021	05-02-2022	26	LSCS	24	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
395	1224057	Male	2340	37	13-12-2021	04-01-2022	27	LSCS	27	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
396	1224408	Male	2660	35	15-12-2021	20-01-2022	26	NVD	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
397	1237550	Male	1000	34	17-12-2021	01-02-2022	25	LSCS	8	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
398	1225113	Female	1600	34	17-12-2021	01-02-2022	28	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
399	1226266	Male	1800	34	18-12-2021	02-02-2022	27	NVD	2	6	8	POSITIVE	NEGATIVE	YES	YES	NO	YES	NO
400	1226370	Male	1500	34	19-12-2021	03-02-2021	26	LSCS	3	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
401	123909	Female	1600	34	21-12-2021	05-02-2022	26	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
402	1227523	Female	1450	31	21-12-2021	26-02-2022	25	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
403	1227809	Female	1400	31	22-12-2021	27-02-2022	29	LSCS	23	6	9	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
404	1227810	Female	1320	31	22-12-2021	27-02-2022	29	LSCS	21	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
405	1228196	Male	2100	39	23-12-2021	30-12-2021	31	LSCS	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
406	1228402	Male	1900	36	23-12-2021	20-01-2022	28	LSCS	2	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
407	1228585	Female	2700	39	23-12-2021	30-12-2021	29	LSCS	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
408	1252732	Female	1700	32	25-12-2021	21-02-2022	25	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
409	1229707	Female	1640	32	26-12-2021	22-02-2022	28	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
410	1229867	Male	2800	40	26-12-2021	27-12-2021	26	NVD	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
411	1229678	Male	3360	38	26-12-2021	05-01-2022	28	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
412	1229896	Male	1640	31	27-12-2021	05-03-2021	26	LSCS	21	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
413	1230620	Female	1480	32	28-12-2021	27-02-2022	26	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
414	1231336	Male	2760	40	29-12-2021	30-12-2021	32	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
415	1231582	Male	1620	32	30-12-2021	26-02-2022	23	LSCS	14	7	10	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
416	1243965	Male	3000	40	30-12-2021	01-01-2022	28	NVD	2	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
417	1231585	Male	1680	32	30-12-2021	26-02-2022	25	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
418	1231586	Male	1790	32	30-12-2021	26-02-2022	25	LSCS	14	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
419	1250440	Female	1400	31	31-12-2021	05-03-2022	29	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
420	1232249	Male	2020	35	31-12-2021	04-02-2022	30	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
421	1203429	Male	2210	40	31-12-2021	01-01-2022	26	NVD	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
422	1235781	Male	2300	39	01-01-2022	08-01-2022	27	LSCS	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
423	1236341	Female	1500	34	02-01-2022	13-02-2022	26	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
424	1234321	Male	2650	38	02-01-2022	16-02-2022	30	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
425	1234522	Male	1800	37	03-01-2022	24-01-2022	31	LSCS	4	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
426	1234752	Male	3685	37	05-01-2022	26-01-2022	28	NVD	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
427	1235815	Male	2000	38	07-01-2022	21-01-2022	26	NVD	1	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
428	1235612	Male	1700	38	09-01-2022	23-01-2022	27	LSCS	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	YES	NO
429	1236787	Male	1400	35	10-02-2022	17-02-2022	26	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
430	1237362	Male	1460	34	11-01-2022	22-02-2022	29	LSCS	3	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
431	1237768	Male	2960	38	12-01-2022	26-01-2022	27	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
432	1239131	Female	1420	30	14-01-2022	24-03-2022	26	LSCS	28	6	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
433	1238803	Female	2150	33	14-01-2022	26-02-2022	28	LSCS	7	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
434	1240353	Female	1780	33	17-01-2022	28-02-2022	34	LSCS	7	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
435	1240354	Male	1960	33	17-01-2022	28-02-2022	34	LSCS	7	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
436	1238868	Male	2960	38	17-01-2022	31-01-2022	30	NVD	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
437	1268023	Male	2460	40	17-01-2022	18-01-2022	29	NVD	1	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
438	1255970	Female	1920	35	18-01-2022	22-02-2021	30	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
439	1255971	Male	1700	35	18-01-2022	22-02-2022	30	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
440	1257931	Male	2650	39	18-01-2022	25-02-2022	23	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
441	1242706	Male	2500	36	21-01-2022	18-02-2022	27	LSCS	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
442	1254316	Male	2900	34	20-01-2022	03-03-2022	28	LSCS	3	6	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
443	1241894	Female	1970	34	20-01-2022	03-03-2022	29	LSCS	6	8	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
444	1241895	Male	1400	34	20-01-2022	03-03-2022	29	LSCS	5	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
445	1250174	Male	1610	35	23-01-2022	22-02-2022	25	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
446	1243553	Female	1460	35	24-01-2022	28-02-2022	29	LSCS	2	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
447	1251035	Male	2800	39	25-01-2022	01-02-2022	28	NVD	1	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
448	1254184	Male	2100	32	25-01-2022	22-02-2022	27	NVD	3	6	8	POSITIVE	NEGATIVE	YES	YES	NO	NO	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
393	1224539	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
394	1223375	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
395	1224057	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
396	1224408	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
397	1237550	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
398	1225113	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
399	1226266	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
400	1226370	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
401	123909	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
402	1227523	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
403	1227809	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
404	1227810	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
405	1228196	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
406	1228402	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
407	1228585	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
408	1252732	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
409	1229707	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
410	1229867	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
411	1229678	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
412	1229896	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
413	1230620	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
414	1231336	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
415	1231582	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
416	1243965	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
417	1231585	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
418	1231586	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
419	1250440	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
420	1232249	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
421	1203429	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
422	1235781	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
423	1236341	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
424	1234321	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
425	1234522	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
426	1234752	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
427	1235815	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
428	1235612	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
429	1236787	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
430	1237362	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
431	1237768	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
432	1239131	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
433	1238803	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
434	1240353	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
435	1240354	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
436	1238868	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
437	1268023	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
438	1255970	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
439	1255971	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
440	1257931	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
441	1242706	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
442	1254316	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
443	1241894	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
444	1241895	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
445	1250174	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
446	1243553	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
447	1251035	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
448	1254184	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
393	1224539	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
394	1223375	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
395	1224057	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
396	1224408	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
397	1237550	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
398	1225113	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
399	1226266	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
400	1226370	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
401	123909	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
402	1227523	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
403	1227809	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
404	1227810	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
405	1228196	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
406	1228402	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
407	1228585	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
408	1252732	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S3
409	1229707	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
410	1229867	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
411	1229678	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
412	1229896	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
413	1230620	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
414	1231336	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
415	1231582	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
416	1243965	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
417	1231585	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
418	1231586	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
419	1250440	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
420	1232249	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
421	1203429	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE R/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
422	1235781	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
423	1236341	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
424	1234321	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
425	1234522	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
426	1234752	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
427	1235815	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	UNEQUAL BOTH SIDE	NORMAL
428	1235612	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
429	1236787	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
430	1237362	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
431	1237768	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGES B/E
432	1239131	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
433	1238803	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
434	1240353	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
435	1240354	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
436	1238868	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
437	1268023	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
438	1255970	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
439	1255971	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
440	1257931	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
441	1242706	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
442	1254316	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
443	1241894	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
444	1241895	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	RED INFLAMED	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
445	1250174	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
446	1243553	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
447	1251035	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	MACULAR HAEMORRHAGE L/E
448	1254184	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL

S.NO	MRD NO.	SEX	BIRTH WEIGHT	GESTATIONAL AGE AT TIME OF BIRTH	DATE OF BIRTH	EXPECTED DATE OF DELIVERY	MATERNAL AGE	MODE OF DELIVERY	NICU STAY	APGAR SCORE 1MIN	APGAR SCORE 5MIN	CULTURE	SEPSIS SCREEN	RISK FACTORS_PREMATURE BIRTH <37 WEEKS	DELAYED CRY/ BIRTH ASPHYXIA	DOWN SYNDROME, HEARING IMPAIRMENT/ HYDROCEPHALOUS	BIRTH WEIGHT IF <2000GM	ADMITTED IN NICU FOR> 4 DAYS
449	1261926	Female	1600	30	26-01-2022	02-04-2022	34	LSCS	28	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
450	1244814	Male	3100	39	27-01-2022	04-02-2022	32	LSCS	1	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
451	1244478	Female	1280	30	28-01-2022	25-03-2022	31	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
452	1245242	Female	1700	32	28-01-2022	25-02-2022	26	LSCS	14	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
453	1245246	Female	1325	32	28-01-2022	25-02-2022	26	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
454	1284668	Male	2000	36	28-01-2022	25-02-2022	29	LSCS	2	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
455	1245794	Male	1200	35	29-01-2022	05-03-2022	34	LSCS	4	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
456	1245668	Male	2500	40	29-01-2022	30-01-2022	30	LSCS	2	7	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
457	1262351	Female	2990	40	30-01-2022	31-01-2022	25	NVD	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
458	1262551	Female	2300	39	30-01-2022	06-02-2022	29	LSCS	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
459	1257384	Male	2335	34	31-01-2022	14-03-2022	26	NVD	3	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	NO	NO
460	1258721	Female	740	24	31-01-2022	16-05-2022	29	NVD	71	5	8	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
461	1258881	Male	2900	39	31-01-2022	07-02-2022	26	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
462	1259899	Male	2460	39	31-01-2022	07-02-2022	29	NVD	3	7	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
463	1247423	Male	1550	34	01-02-2022	11-03-2022	27	LSCS	37	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
464	1269305	Male	1410	31	02-02-2022	08-03-2022	30	LSCS	30	7	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
465	1262542	Female	1680	33	02-02-2022	04-03-2022	25	LSCS	8	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
466	1248050	Male	2490	35	03-02-2022	04-03-2022	30	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	NO	YES
467	1265626	Female	2670	38	05-02-2022	11-02-2022	30	NVD	2	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
468	1249322	Male	1715	32	05-02-2022	03-04-2022	26	LSCS	14	6	7	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
469	1249324	Female	1410	32	05-02-2022	03-04-2022	26	LSCS	16	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
470	1248935	Male	1440	29	05-02-2022	22-04-2022	33	LSCS	35	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
471	1250435	Female	1720	33	08-02-2022	24-03-2022	32	LSCS	37	6	6	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
472	1250437	Male	1860	33	08-02-2022	24-03-2022	32	LSCS	35	7	6	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
473	1259662	Male	2585	40	08-02-2022	09-02-2022	27	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
474	1251306	Female	2000	32	09-02-2022	25-03-2022	29	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
475	1266273	Male	2500	40	10-02-2022	11-02-2022	29	NVD	2	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
476	1252598	Female	1600	35	11-02-2022	18-03-2022	25	LSCS	2	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
477	1253172	Female	1280	31	12-02-2022	18-03-2022	27	LSCS	21	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
478	1253202	Male	2900	36	13-02-2022	07-03-2022	29	NVD	3	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
479	1266952	Male	1640	33	14-02-2022	05-04-2022	23	LSCS	8	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
480	1254516	Male	3250	37	15-02-2022	07-03-2022	27	LSCS	3	7	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
481	1254626	Male	1700	30	15-02-2022	23-04-2022	31	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
482	1255107	Male	2140	34	16-02-2022	27-03-2022	34	LSCS	3	6	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
483	1255108	Male	1360	34	16-02-2022	27-03-2022	34	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
484	1255162	Male	1200	30	16-02-2022	26-04-2022	30	LSCS	28	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
485	1255663	Female	1260	32	17-02-2022	11-04-2022	30	LSCS	15	7	10	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
486	1256380	Female	1380	32	19-02-2022	12-04-2022	32	LSCS	14	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
487	1283729	Male	2160	39	21-02-2022	02-03-2022	31	LSCS	3	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
488	1255971	Female	1825	35	21-02-2022	23-03-2022	30	LSCS	4	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
489	1255972	Male	1900	35	21-02-2022	23-03-2022	27	LSCS	3	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
490	1255889	Female	1805	34	21-02-2022	01-04-2022	28	LSCS	4	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
491	1257706	Male	960	28	21-02-2022	12-05-2022	34	LSCS	42	7	9	NEGATIVE	NEGATIVE	YES	YES	NO	YES	YES
492	1260191	Male	2100	33	25-02-2022	16-04-2022	26	LSCS	10	7	9	NEGATIVE	NEGATIVE	YES	NO	NO	NO	NO
493	1259869	Female	1640	35	25-02-2022	02-04-2022	29	LSCS	2	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
494	1259871	Male	2600	39	26-02-2022	06-03-2022	26	NVD	2	8	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
495	1259899	Male	3120	40	26-02-2022	27-02-2022	28	NVD	1	8	9	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
496	1260855	Male	1330	28	27-02-2022	21-05-2022	28	LSCS	45	6	7	NEGATIVE	POSITIVE	YES	YES	NO	YES	YES
497	1260857	Female	950	28	27-02-2022	21-05-2022	28	LSCS	42	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	YES
498	1260864	Male	2500	38	27-02-2022	05-03-2022	30	LSCS	2	8	8	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
499	1261284	Male	3350	40	28-02-2022	24-02-2022	27	LSCS	3	9	10	NEGATIVE	NEGATIVE	NO	NO	NO	NO	NO
500	1261988	Male	1780	34	28-02-2022	12-04-2022	30	LSCS	4	8	9	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO
501	1261989	Male	1340	34	28-02-2022	12-04-2022	30	LSCS	3	7	8	NEGATIVE	NEGATIVE	YES	NO	NO	YES	NO

S.NO	MRD NO.	NEONATAL SEPSIS	RETINOBLASTOMA	SEVERE REFRACTIVE ERROR	CONGENITAL CATARACT	CONGENITAL GLAUCOMA	SICKLE CELL DISEASE	AMBLYOPIA	UNEXPLAINED VISION LOSS SINCE EARLY CHILDHOOD	NYSTAGMUS	STRABISMUS OR CROSSED EYE	ALBINISM IN FAMILY	COLOBOMA	RETINITIS PIGMENTOSA	ANIRIDIA	OPTIC ATROPHY
449	1261926	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
450	1244814	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
451	1244478	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
452	1245242	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
453	1245246	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
454	1284668	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
455	1245794	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
456	1245668	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
457	1262351	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
458	1262551	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
459	1257384	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
460	1258721	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
461	1258881	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
462	1259899	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
463	1247423	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
464	1269305	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
465	1262542	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
466	1248050	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
467	1265626	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
468	1249322	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
469	1249324	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
470	1248935	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
471	1250435	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
472	1250437	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
473	1259662	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
474	1251306	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
475	1266273	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
476	1252598	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
477	1253172	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
478	1253202	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
479	1266952	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
480	1254516	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
481	1254626	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
482	1255107	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
483	1255108	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
484	1255162	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
485	1255663	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
486	1256380	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
487	1283729	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
488	1255971	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
489	1255972	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
490	1255889	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
491	1257706	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
492	1260191	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
493	1259869	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
494	1259871	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
495	1259899	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
496	1260855	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
497	1260857	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
498	1260864	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
499	1261284	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
500	1261988	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
501	1261989	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

S.NO	MRD NO.	ASSESSMENT OF NEWBORN MATERNAL FACTORS	FACIAL FEATURES	ADNEXA	LIDS	SLANT/ FOLDS	REGURGITATION TEST	CONJUNCTIVA	RED DISCHARGING EYES	SCLERA	CORNEA	IRIS	PUPIL	RETINA
449	1261926	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
450	1244814	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
451	1244478	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
452	1245242	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
453	1245246	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
454	1284668	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
455	1245794	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
456	1245668	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
457	1262351	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
458	1262551	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
459	1257384	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
460	1258721	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
461	1258881	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
462	1259899	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
463	1247423	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
464	1269305	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
465	1262542	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
466	1248050	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
467	1265626	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGE L/E
468	1249322	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
469	1249324	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
470	1248935	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
471	1250435	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
472	1250437	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
473	1259662	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	YES	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
474	1251306	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
475	1266273	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
476	1252598	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
477	1253172	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
478	1253202	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
479	1266952	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
480	1254516	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
481	1254626	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
482	1255107	NONE	NORMAL	NORMAL	NORMAL	NONE	POSITIVE L/E	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
483	1255108	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
484	1255162	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
485	1255663	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
486	1256380	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
487	1283729	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
488	1255971	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
489	1255972	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
490	1255889	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
491	1257706	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S2
492	1260191	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
493	1259869	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
494	1259871	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	RETINAL HAEMORRHAGE L/E
495	1259899	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
496	1260855	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1
497	1260857	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
498	1260864	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
499	1261284	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	NORMAL
500	1261988	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	IMMATURE RETINA
501	1261989	NONE	NORMAL	NORMAL	NORMAL	NONE	NEGATIVE	NORMAL	NO	WHITE	TRANSPARENT	NORMAL	CIRCULAR	ROP Z2S1

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No. BFUHS/2K21p-III/ 121

Date 25/11/21

The Principal,
DMC, Ludhiana.

Subject: Approval of Plan of Thesis.

This is to inform you that the Faculty of Medical Sciences in its meeting held on 29.10.2021 has approved the plan of thesis of **Kriti**, a student of your college for **MS Ophthalmology** along with the names of Supervisor/Co-Supervisor as under:-

Topic Plan of Thesis
Prospective study of universal eye screening in neonates.

Supervisor
Dr. Sumeet Chopra
Prof. & Head,
Dept. of Ophthalmology,
DMCH, Ludhiana.

Co-Supervisor

Dr. Priyanka Arora
Assoc. Prof.,
Dept. of Ophthalmology,
DMCH, Ludhiana.

Dr. Kamaldeep Arora
Assoc. Prof.,
Dept. of Paediatrics,
DMCH, Ludhiana.

The student has to submit the four copies of thesis (along with PDF format) , to the Controller of Examinations, BFUHS, Faridkot, at least six months before the commencement of theory examination, if he/she is otherwise eligible to take the examination. He /She must directed to attach a photocopy of this letter with the forwarding letter while submitting thesis to the University along with the letter of approval of University for change of supervisor/Co-Supervisor, change of topic,(if any).

Dr. S P Singh MS(Oph)
Controller of Examinations

Note :

137. If any discrepancy found regarding topic of thesis or Supervisor/Co-Supervisor, inform undersigned within one month after issue of this letter.

138. The student may submit the thesis as per the schedule already conveyed i.e for May/June examination 30th Nov of the preceding the year of examination and for Nov/Dec examinations 31st May of the year of examination.

PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES

THESIS PROPOSAL

FOR APPROVAL OF SUBJECT OF THESIS TO BE SUBMITTED IN

PARTIAL FULFILMENT OF THE REQUIREMENTS

FOR THE DEGREE OF

MS

In

Department of Ophthalmology

OF THE

BABA FARID UNIVERSITY OF HEALTH SCIENCES

FARIDKOT

March, 2021

Dr. KRITI

DEPARTMENT OF OPHTHALMOLOGY
DAYANAND MEDICAL COLLEGE AND HOSPITAL
LUDHIANA

ABSTRACT OF PLAN OF THESIS

TITLE	Prospective study of Universal Eye screening in neonates
For the degree of	MS Ophthalmology
Name of the candidate	Dr. Kriti
Supervisor	Dr. Sumeet Chopra, Professor and Head of Department of Ophthalmology, DMCH, Ludhiana
Co-supervisor	Dr. Priyanka Arora, Associate Professor, Department of Ophthalmology, DMCH, Ludhiana Dr. Kamaldeep Arora, Associate Professor, Department of Paediatrics, DMCH, Ludhiana
Institution	Dayanand Medical College & Hospital, Ludhiana
University	Baba Farid University of Health Sciences, Faridkot

Introduction: Universal newborn eye screening provides an opportunity to identify and manage the ocular pathologies like congenital abnormalities of globe, congenital cataract, congenital glaucoma, retinal haemorrhages etc, timely management of which is imperative to prevent visual loss. Universal eye screening of infants is not standard of care even in developed countries. So, we plan this study to determine the prevalence of ocular pathologies and risk factors associated with them.

Aim of Study: To determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life.

Materials & methods: All neonates born in Dayanand Medical College and Hospital, Ludhiana, Punjab will be undergoing Universal newborn eye screening. The examination will include external eye examination, red reflex test and dilated fundus examination. The positive findings will be documented using Ret cam shuttle. Gestational age, birth weight, maternal age and mode of delivery will be documented. The screening will be performed in a neonatal intensive care unit and Ophthalmology out-patient department. Pupillary dilatation will be done using a commercially available combination of tropicamide and phenylephrine half strength administered 3 times at an interval of 10 minutes.

Clinical Significance: Universal newborn eye screening identifies clinically significant eye diseases in significant percentage of babies. Screening for ocular pathologies in newborn children may lead to early detection and treatment of eye diseases, which may in turn help to preserve visual function and prevent blindness in these children.

Keywords: Universal newborn eye screening, Ocular pathologies.

(Signature)	(Signature)	(Signature)	(Signature)	(Signature)
Candidate	Co-supervisor	Co-supervisor	Supervisor	Principal

CERTIFICATE OF FACILITIES AVAILABLE

This is to certify that the facilities for work on the subject of thesis titled **"PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES"** exist in the Department of Ophthalmology, DMC&H, Ludhiana and will be provided to the candidate. We will see that the data being included in the thesis is genuine and is collected by the candidate herself under our supervision and guidance.

Supervisor

Dr. Sumeet Chopra
Professor & Head
Department of Ophthalmology
DMCH, Ludhiana

Co-Supervisor(s)

Dr. Priyanka Arora
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Department of Paediatrics
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Head of the Department

Dr. Sumeet Chopra
Professor & Head
Department of Ophthalmology
DMCH, Ludhiana

Place : Ludhiana

Date : 20.3.2021

APPROVAL PROFORMA
BY
RESEARCH & ETHICAL COMMITTEE
DAYANAND MEDICAL COLLEGE & HOSPITAL, LUDHIANA

Name of candidate	Dr. Kriti
Department	Ophthalmology
Topic of Thesis	Prospective study of Universal Eye screening in neonates
Likely date of appearing in PG examination	May 2023
Date of enrollment	26-7-2020
Name of Head of Department	Dr. Sumeet Chopra
1) Supervisor **2) Co-Supervisor(s)**	Dr. Sumeet Chopra Dr. Priyanka Arora Dr. Kamaldeep arora
Signature of Members of Research Committee with Stamp	**Signature of Members of Ethics Committee with Stamp**
Dr. Harpreet Kaur (Professor & Head, Pathology)	Mr. R K Sharma (Legal Expert)
Dr. Jaspal Singh (Professor & Head, Surgery)	Dr. Ramit Mahajan (Associate Professor, Gastroenterology)
Dr. Dinesh Gupta (Professor & Head, Medicine)	Dr. Anu Sharma (Professor, Anatomy)
Dr. Sandeep Kaushal (Dean Academics & Professor & Head, Pharmacology)	Dr. Sandeep Kaushal (Dean Academics & Professor & Head, Pharmacology)
Dr. Gurpreet S Wander (Vice Principal)	Dr. Gurpreet S Wander (Vice Principal & Professor & Head, Cardiology)
	Dr. Gagandeep Singh (Secretary, Ethics Committee Professor & Head, Neurology)

Approved: Yes / No

Dr. Sandeep Puri
Chairperson
Research Committee

Approved: Yes / ~~No~~

Prof. Arvind Malhotra
Chairperson
Ethics Committee

BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT

PROFORMA FOR REGISTRATION OF SUBJECT FOR DISSERTATION

1	NAME OF THE CANDIDATE AND ADDRESS	Dr. Kriti H.no. 811/4 Shaheed Bhagat Singh Nagar jail road Gurdaspur
2	NAME OF THE INSTITUTE	Dayanand Medical College and Hospital, Ludhiana
3	COURSE OF STUDY AND SUBJECT	MS OPHTHALMOLOGY
4	DATE OF ADMISSION OF COURSE	26-7-2020
5	TITLE OF THE TOPIC	Prospective study of Universal eye screening in neonates

6. BRIEF RESUME OF THE INTENDED WORK

6.1 NEED FOR THE STUDY

Universal newborn eye screening is gaining increased interest as a potential way to reduce long term visual impairment through early identification of ocular abnormalities. Early identification of the treatable conditions of the ocular system such as congenital cataract, congenital glaucoma, retinoblastoma, optic nerve coloboma, lacrimal duct obstruction etc, followed by referral for prompt treatment can save a child vision and improve the quality of life. As ocular pathologies may go unnoticed during standard practice, a universal eye screening can be considered as an essential part of newborn screening.

Early identification of conditions which cannot be treated, such as structural abnormalities require early rehabilitation in critical period, as this will help to promote motor and psychological development of growing child. Timing is very important factor in ocular pathologies in newborns as delayed treatment often reduces the chances of success.

Cognitive development is delayed in children who have severely impaired visual function, compared with children who have better vision. Coming across the ocular pathologies right at birth will prevent development delays in these children. If we are able to identify eye disorders during the stay of high risk babies at neonatal intensive care unit, we are utilizing the window of opportunity to treat the disorder at the earliest. Universal newborn eye screening has to be considered as an essential part for neonate better health. Prevalence of blindness in neonates is increasing day by day and therefore we hope this study will lead to opportunities for improvement in public health by appropriate timely medical or surgical intervention.

Universal eye screening of infants is not standard of care even in developed countries. It is clear that universal eye screening in neonates will identify many additional abnormalities that otherwise will never have been known without examination. So, we plan this study to

determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life. We hope to improve awareness of ocular abnormalities amongst the newborn and wish to emphasize the importance of universal newborn eye screening. Examination of the eye immediately after birth should be a part of routine examination at birth.

Universal eye screening identifies clinically significant eye diseases in significant percentages of babies. As we assimilate the evidence and analyze the significance of universal newborn eye screening, we have to critically approach the crucial question of long-term functional benefit. Imaging at or immediately after birth offers the opportunity for the family to bring their infants into contact with the healthcare delivery system and reduce the burden of comorbidities. We will analyze the outcome of this universal newborn eye screening and will manage them accordingly.

6.2 REVIEW OF LITERATURE

Universal newborn eye screening provides an opportunity to identify and manage the ocular pathologies like congenital abnormalities of globe, congenital cataract, congenital glaucoma, retinal haemorrhages etc, timely management of which is imperative to prevent visual loss.

Universal newborn eye screening identifies clinically significant eye diseases in significant percentage of babies. Screening for ocular pathologies in newborn children may lead to early detection and treatment of eye diseases, which may in turn help to preserve visual function and prevent blindness in these children. We hope this study will lead to opportunities for improvement in public health by appropriate timely medical or surgical intervention.

A pilot study screening 481 infants in China found upto 41.2% abnormal ocular findings [1]. Abnormal ocular findings detected included subconjunctival haemorrhage, congenital microphthalmos, congenital corneal leukoma, posterior synechia, persistent pupillary membrane, congenital cataract, retinoblastoma, optic nerve defects, vitreous haemorrhage, congenital glaucoma, uveal coloboma and so on.[2,3]

Neonatal eye screening for 203 healthy term newborns was done in Malaysia using field digital retinal imaging system. 69 newborns were found to have ocular abnormalities. The proportion of ocular abnormalities was 34%. The mean newborn age was 1.93+/-1.49 days of life during the eye examination. There was no significant difference in newborns weight between the group with and without ocular abnormalities. There was no significant difference in maternal age among these two groups. However, findings showed that there was a larger proportion of newborns delivered by spontaneous vaginal delivery in the abnormal ocular group compared to newborns with normal ocular findings. Episiotomy was more performed in abnormal ocular findings compared to normal findings group in newborn delivered by spontaneous vaginal delivery. There were total 14 abnormalities found in anterior segment and 64 abnormalities in posterior segment [4]. Most common abnormality was retinal

haemorrhage, which was 93.8% of posterior segment. Newborn delivered by spontaneous vaginal delivery had 3.43 higher odds of having retinal haemorrhages compared to newborns delivered by LSCS. They performed a subgroup analysis on associated risk factors of retinal haemorrhages among healthy term newborns delivered by spontaneous vaginal delivery using simple logistic regression. It was found that for every 1minute increment in duration of second stage of labour, the risk of retinal haemorrhages was 6% increased in newborns[5]. However, after adjusting all the variables using multiple logistic regression, only duration of 2nd stage of labour remained as associated risk factor for retinal haemorrhages in patients delivered by spontaneous vaginal delivery. It was found that the incidence of retinal hemorrhages was not associated with episiotomy [6].

Another prospective observational study was done in Newzealand in which 350 infants were involved [7]. The prevalence of retinal haemorrhage was 14.5 from which 68% were bilateral and 32% were unilateral. Maternal, obstetrics and neonatal factors were analysed independently in relation to occurrence of retinal haemorrhage. Chi square tests revealed significant differences in relation to presence or absence of retinal haemorrhage with respect to delivery modality, induction of labour and screening within 72 hours of birth. A binominal logistic regression was performed to establish the effects of delivery modality and screening within 72 hours of age on the likelihood that retinal haemorrhages were present. The model demonstrated a significant increase in the odds of retinal haemorrhage in both normal vaginal delivery and instrumental vaginal delivery compared with infants delivered by caesarean section. Infants with retinal haemorrhages on initial screening were re-screened at 6 weeks to assess the stsatus of retinal haemorrhages [8]. Follow up was attended by 66% of infants with retinal haemorrhages. At follow up screening, 94% of infants had complete resolution of retinal haemorrhages. The 2 infants with persisting retinal haemorrhages had been classified as extensive retinal haemorrhage on initial screening following ventouse delivery, these retinal haemorrhages took further 3 months to resolve[9].

Other ocular abnormalities with potential visual or systemic impact were detected in five infants. Findings included a case of congenital cataract, suspected choroidal haemangioma, congenital hypertrophy of the retinal pigment epithelium and 2 cases of suspected optic nerve hypoplasia.

Another study of universal screening of 1021 term infants was done in Bangalore, India [10]. 990 were delivered by caesarean section and only 31 by vaginal delivery. 48 (4.7%) babies had an ocular pathology in atleast 1 eye. Retinal haemorrhages were present in at least one eye of 25 babies, accounting for 52.1% of all abnormalities detected and 2.4%of all babies screened [11]. Medical or surgical intervention of any form was required in 9 babies, which accounted for 18.8% of abnormalities detected and 0.9% of all babies screened. Five of these had posterior uveitis with linear perivasculitis. One had salt and pepper retinopathy which prompted cardiac and auditory referral. One baby had posterior synechiae and was evaluated for possible intrauterine infection with coexisting uveitis. This baby had no other systemic symptoms other than mental retardation at the time the ocular diagnosis was made. Two of nine babies (0.2% of all babies) required surgical intervention. One baby had a unilateral cataract for which lensectomy with anterior vitrectomy was performed[12]. The other baby was diagnosed to have retinoblastoma, which was treated appropriately [13]. This study showed that 48/1021 or 4.7% had ocular abnormalities of which 9/1021(0.89%) required some form of intervention.

A publication from the Republic of China reported the findings of perinatal ocular examination performed in 3573 healthy infants and found 24.4% to have some abnormality. Of these, 88% had retinal haemorrhages. Excluding retinal haemorrhages, they found that 2.2% of babies screened had vision- threatening ocular abnormalities [14].

A pilot study was done in civil hospital of eastern India over 1.5 years. Ocular abnormality of any kind was seen in 172 (14.93) babies. Retinal haemorrhage in 153 babies (88.9%) was the most common abnormality It was bilateral in 118 (77.2%) babies and 4 babies had

foveal haemorrhages [15]. Retinal haemorrhages were seen in 47.6% of babies born by normal vaginal delivery and 5.2% born by LSCS. The retinal haemorrhages resolved spontaneously in all babies. Two babies with enlarged and hazy cornea were diagnosed to have congenital glaucoma and treated appropriately. Uveal coloboma was seen in 2 babies and the iris was spared in one with unilateral involvement. Two babies showed ridge akin to the one seen in ROP and were evaluated in detail to rule out other ROP mimickers including familial exudative vitreoretinopathy; the ridge regressed with time in one baby and other baby was lost to follow up [16]. Three babies had cystic fovea. Other additional ocular findings included subconjunctival haemorrhage, vascular dilatation, hypopigmented fundus, immature retina and mature retina with a greenish hue. Two cases of early retinoblastoma were the only significant ocular pathologies that could have been missed by external examination and red reflex test alone [17]. The average time to examination was 3.68 days. The mean gestational age and birth weight were 39.07 weeks and 2.88 kg.

In South Korea health full term newborn eye screening was done. The examination took place on a total of 55, 901 newborns. There was detection of 14,933 abnormal cases (26.72%). The abnormality most common found was retinal haemorrhage, which was discovered in 14,668 (26.24%) There were 3,514 (24.14%) of significant haemorrhage or macular haemorrhage. The other 265 cases (0.48%) with abnormal ocular findings included congenital cataract, retinoblastoma, persistent hyperplastic primary vitreous, persistent pupillary membrane, choroidal nevus, albinism, optic nerve hypoplasia, enlarged cup disc ratio and congenital microphthalmos.

Study was conducted in Asia on universal newborn eye screening with highest number of premature births. 13.4% of all live births in South Asia are premature compared with less than 8% in UK [18,19]. A recent study by International Paediatric Ophthalmology and Strabismus Council surveyed 141 countries worldwide on their ROP screening programmes with a 65% response rate [20].

6.3 AIMS AND OBJECTIVES OF THE STUDY

To determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life.

7. MATERIALS AND METHODS

7.1 Source of Data

All the neonates born in Dayanand Medical College and Hospital, Ludhiana, Punjab will be undergoing Universal newborn eye screening.

1.2. METHOD OF COLLECTION OF DATA

The examination will include external eye examination, red reflex test and dilated fundus examination. The positive findings will be documented using Ret cam shuttle. Gestational age, birth weight, maternal age and mode of delivery (spontaneous vaginal delivery, assisted birth or caesarean section) will be documented. The screening will be performed in a neonatal intensive care unit and Ophthalmology out-patient department. Pupillary dilatation will be done using a commercially available combination of tropicamide and phenylephrine half strength administered 3 times at an interval of 10 minutes.

OCULAR HISTORY: Identifying risk factors for vision impairment for future follow up even if initial eye examination is normal at birth:

1. Family history of conditions causing blindness or severe visual impairment e.g. Refractive error, congenital cataract, congenital glaucoma, coloboma or cleft in eyes, nystagmus, Sickle cell disease, Optic atrophy, Aniridia, Albinism, Retinoblastoma, and Retinitis pigmentosa.
2. Family history of Strabismus and Amblyopia.
3. Prenatal and birth history: Delayed cry/ Birth asphyxia, Neonatal sepsis, Premature birth (less than 37 weeks), Birth weight less than 2000gms, Admitted in NICU >4 days, Prolonged use of oxygen >72 hours, Down syndrome, hearing impairment.
4. Congenital conditions: Albinism, brain lesions noted on newborn brain imaging, Chromosomal abnormalities such as down syndrome.
5. Other structural birth defect specially involving the facial structures.

ASSESSMENT OF NEWBORN EYE

1. Facial features- Normal/ abnormal
2. Look for abnormally small eye (microphthalmos) or absent eye (anophthalmos)
3. Lids- Normal/ swelling/droopy/coloboma
4. Mongoloid/ ante mongoloid slant/ epicanthic folds.
5. Regurgitation test- Positive/ negative
6. Conjunctiva- Red/ normal
7. Red discharging eyes- Yes/No (Look for swelling, excessive watering, or discharge from eyes)
8. Sclera- White/ red inflamed/ any growth
9. Cornea- Large cornea (megalocornea) / small cornea(microcornea)/ Transparent/ corneal opacity/congenital glaucoma.
10. Iris- Normal/ abnormal color/ coloboma
11. Lens- Clear/ congenital cataract
12. Pupil- Circular / clear/ white/ unequal both side
13. Retina- normal/ retinal haemorrhages/ preretinal haemorrhages/ optic nerve hyperplasia/ optic disc pit/ Retinopathy of prematurity.

INCLUSION CRITERIA-

1. All neonates born in our hospital.
2. Any mode of delivery (spontaneous vaginal delivery, assisted birth and caesarean section)
3. Parents giving consent for screening examination.

EXCLUSION CRITERIA:

1. Parents refused to consent for screening examination.
2. Neonates unstable for eye examination

DURATION OF STUDY/ NUMBER OF CASES

Prospective study from march 2021 to February 2022.

STATISTICAL ANALYSIS

Data will be described in terms of range; mean ± standard deviation (± SD), median, frequencies (number of cases) and relative frequencies (percentages) as appropriate. All statistical calculations will be done using (Statistical Package for the Social Science) SPSS 21 version (SPSS Inc., Chicago, IL, USA) statistical program for Microsoft Windows.

OUTCOME- To determine the prevalence of ocular pathologies and their associated risk factors in newborns screened within the first month of life.

7.3 DOES THE STUDY REQUIRE ANY INVESTIGATIONS OR INTERVENTIONS TO BE CONDUCTED ON PATIENTS OR OTHER HUMANS OR ANIMALS? IF SO, PLEASE DESCRIBE BRIEFLY.

NO

7.4 HAS ETHICAL CLEARANCE BEEN OBTAINED FROM YOUR INSTITUTION IN CASE OF 7.3?

ATTATCHED ALONGWITH

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PERFORMA

Sr. No.

NAME- MRD NO.

SEX- NICU STAY-

BIRTH WEIGHT- APGAR SCORE-

DATE OF BIRTH- CULTURE-

GESTATIONAL AGE AT TIME OF BIRTH-

EXPECTED DATE OF DELIVERY-

MATERNAL AGE-

MODE OF DELIVERY-

SEPSIS SCREEN-

ADDRESS-

ANY RISK FACTOR TICK IF YES

Premature Birth: less than 37 weeks	
Delayed cry/ Birth asphyxia	
Down syndrome, hearing impairment or hydrocephalous	
Birth weight if less than 2000gm	
Admitted in NICU for >4days	
Neonatal sepsis	

Signature of candidate **Signature of supervisor**

ANY FAMILY HISTORY OF FOLLOWING	TICK IF YES
1.Retinoblastoma	
2. Severe refractive error	
3.Congenital cataract	
4. Congenital glaucoma	
5.Sickle cell disease	
6.Amblyopia	
7. Unexplained vision loss since early childhood	
8.Nystagmus	
9.Strabismus or crossed eye	
10.Albinism in family	
11. Coloboma	
12.Retinitis pigmentosa	
13. Aniridia	
14.Optic atrophy	

ASSESSMENT OF NEWBORN EYE

1. Maternal factors- CMV, Toxoplasmosis, Maternal venereal conditions/ Rubella
2. Facial features- Normal/abnormal
3. Adnexa- Normal/ abnormal
4. Lids- Normal/swelling/droopy/coloboma
5. Mongloid slant/ Ante mongoloid slant/ Epicanthic folds/ None
6. Regurgitation test- positive/ negative
7. Conjunctiva- Red/normal
8. Red discharging eyes- Yes/No (excessive watering, or discharge from eyes)
9. Sclera- White/red inflamed/any growth
10. Cornea- Large cornea/Small cornea/ transparent/ opaque/ Unequal both side
11. Lens- Clear/ congenital cataract
12. Iris- Normal/coloboma/ Abnormal color
13. Pupil- Circular/clear/white/unequal both side.
14. Retina- Normal/Retinal haemorrhages/ Preretinal haemorrhages/ optic nerve hypoplasia/ Retinopathy of prematurity/ Optic disc pit.

Signature of candidate **Signature of supervisor**

INFORMED PATIENT CONSENT

Date: _____

I.....D/o, W/o, S/o..... .....am willing to participate in the study **"PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES"** The procedure with its complications has been explained to me in local vernacular language. I have fully understood that no special tests and extra expenditure in any form, merely for the purpose of thesis is being carried out. I am free to opt out the study any time without assigning any reason.

....

Signature of the Witness Signature of the patient

Name:

Signature of Candidate **Signature of Supervisor**

मरीज अनुमति फार्म

तिथि _____

मैं_____पत्नी/पुत्र/पुत्री _____

निवासी _____

इस शोधकार्य **"PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES"** में भाग लेने के लिए सहमत हूँ। मैं इस शोधकार्य में भाग लेने के लिए अपनी स्वेच्छा से तैयार हूँ। मैं पुष्टि करता/करती हूँ की यह स्वीकृति देने के लिए मुझे कोई आर्थिक प्रलोभन नहीं दिया गया और न ही दबाव डाला गया है। मुझे इस शोधकार्य का उद्देश्य स्पष्ट कर दिया गया है और मुझे यह विश्वास है की यह विज्ञान और मानवता के लाभ के लिए है। मुझे इस शोधकार्य में होने वाले जोखिम के बारे में समझा दिया गया है और मेरी समझ में यह जोखिम बहुत मामुली है।

मैं इस शोधकार्य में भाग लेने के सम्बन्ध में किसी भी समय अपनी अस्वीकृति व्यक्त कर सकता/सकती हूँ और मेरे अस्वीकृति व्यक्त करने का मेरे इलाज पर कोई प्रभाव नहीं पड़ेगा।

_____ _____

गवाह के हस्ताक्षर रोगी के हस्ताक्षर/अंगूठे का निशान

नाम: नाम:

_____

अन्वेषक के हस्ताक्षर

_____

विद्यार्थी के हस्ताक्षर

ਮਰੀਜ਼ ਰਜ਼ਾਮੰਦੀ ਫਾਰਮ

ਮਿਤੀ_____

ਮੈ_____ਪਤਨੀ/ਪੁੱਤਰ/ਪੁੱਤਰੀ_____

ਵਾਸੀ _____

"PROSPECTIVE STUDY OF UNIVERSAL EYE SCREENING IN NEONATES" ਤੇ ਚਲ ਰਹੀ ਖੋਜ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਲਈ ਰਜ਼ਾਮੰਦ ਹਾਂ। ਇਸ ਖੋਜ ਕੰਮ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਲਈ ਮੈ ਆਪਣੀ ਮਰਜ਼ੀ ਨਾਲ ਤਿਆਰ ਹਾਂ। ਮੈ ਇਹ ਦਸਣਾ ਚਾਹੁੰਦਾ ਹਾਂ/ ਚਾਹੁੰਦੀ ਹਾਂ ਕੇ ਇਹ ਰਜ਼ਾਮੰਦੀ ਦੇਣ ਵਾਸਤੇ ਮੈਨੂ ਕਿਸੇ ਵੀ ਤਰਾਂ ਦਾ ਲੋਭ-ਲਾਲਚ ਨਹੀ ਦਿੱਤਾ ਗਿਆ ਅਤੇ ਨਾ ਹੀ ਕੋਈ ਦਬਾ ਪਾਇਆ ਗਿਆ ਹੈ। ਮੈਨੂ ਇਸ ਖੋਜ ਦਾ ਮਨੋਰਥ ਸਮਝਾ ਦਿੱਤਾ ਗਿਆ ਹੈ ਅਤੇ ਮੈਨੂ ਇਹ ਭਰੋਸਾ ਦਵਾਇਆ ਗਿਆ ਹੈ ਕੇ ਇਹ ਖੋਜ ਵਿਗਿਆਨ ਅਤੇ ਮਾਨਵਤਾ ਦੀ ਭਲਾਈ ਲਈ ਹੈ। ਮੈਨੂ ਇਸ ਖੋਜ ਵਿਚ ਹੋਣ ਵਾਲੇ ਖਤਰੇ ਬਾਰੇ ਸਮਝਾ ਦਿੱਤਾ ਗਿਆ ਹੈ ਅਤੇ ਮੈਨੂ ਇਹ ਯਕੀਨ ਹੈ ਕੇ ਇਹ ਖਤਰਾ ਬਹੁਤ ਮਾਮੂਲੀ ਹੈ। ਮੈਨੂ ਇਸ ਖੋਜ ਕੰਮ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਦਾ ਢੰਗ – ਤਰੀਕਾ ਸਮਝਾ ਦਿੱਤਾ ਗਿਆ ਹੈ।

ਮੈ ਇਸ ਖੋਜ ਕੰਮ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਬਾਰੇ ਆਪਣੀ ਰਜ਼ਾਮੰਦੀ ਕਿਸੇ ਵੀ ਸਮੇ ਵਾਪਸ ਲੈ ਸਕਦਾ ਹਾਂ/ ਸਕਦੀ ਹਾਂ ਅਤੇ ਮੇਰੀ ਰਜ਼ਾਮੰਦੀ ਵਾਪਸ ਲੈਣ ਦਾ ਮੇਰੇ ਇਲਾਜ ਤੇ ਕੋਈ ਅਸਰ ਨਹੀ ਹੋਵੇਗਾ।

_____ _____

ਗਵਾਹ ਦੇ ਹਸਤਾਖਰ ਮਰੀਜ਼ ਦੇ ਹਸਤਾਖਰ

ਮਿਤੀ_____ ਮਿਤੀ_____

ਪਤਾ _____ ਪਤਾ _____

_____

ਨਿਰੀਖਕ ਦੇ ਹਸਤਾਖਰ

_____

ਸਿਖਿਆਰਥੀ ਦੇ ਹਸਤਾਖਰ